

Biology

Microbiology

Final Practice

Author: Madison Christian

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4. Chapter: Microbiology Final Practice

1. Microbiology Final Practice Questions

4.1.1. Bacteria are good models to use because they

Author: Madison Christian

Bacteria are good models to use because they

Please choose only one answer:

- are large in size.
- share many biochemical/physiological properties with more complicated organisms.
- can be assembled into multicellular organisms.
- have complicated growth requirements.

Check the answer of this question online at QuizOver.com:

Question: [Bacteria are good models to use because Madison Christian Final Quest](#)

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4.1.2. Cellulose is a major component of plants and is only directly diges...

Author: Madison Christian

Cellulose is a major component of plants and is only directly digested by

Please choose only one answer:

- herbivores.
- carnivores.
- termites.
- microorganisms.

Check the answer of this question online at QuizOver.com:

Question: [Cellulose is a major component of plants Madison Christian Final](#)

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4.1.3. Although it is said that the twentieth century was the Age of Physi...

Author: Madison Christian

Although it is said that the twentieth century was the Age of Physics, it is predicted that the twenty-first century will be the age of

Please choose only one answer:

- chemistry.
- computers.
- microbial biodiversity.
- mathematics.

Check the answer of this question online at QuizOver.com:

Question: [Although it is said that the twentieth Madison Christian Final](#)

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4.1.4. Which is usually true of Archaea?

Author: Madison Christian

Which is usually true of Archaea?

Please choose only one answer:

- They are found as rods, spheres, or spirals.
- They reproduce by binary fission.
- They contain rigid cell walls.
- They are found as single cells.
- All of the choices are correct.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Which is usually true of Archaea Madison Christian Final Exam Quest](#)

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4.1.5. Organisms

Author: Madison Christian

Organisms

Please choose only one answer:

- may be classified in four domains.
- may be classified in three domains.
- probably do not have a common ancestor.
- have never shared genes between domains.
- may be classified in three domains, probably do not have a common ancestor AND have never shared genes between domains.

Check the answer of this question online at QuizOver.com:

Question: [Organisms Madison Christian Final Exam Practice for Microbiology](#)

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4.1.6. The system by which organisms are named is referred to as

Author: Madison Christian

The system by which organisms are named is referred to as

Please choose only one answer:

- systematics.
- naming.
- nomenclature.
- cladistics.

Check the answer of this question online at QuizOver.com:

Question: [The system by which organisms are named Madison Christian Final Quest](#)

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4.1.7. Which of these may pertain to the term strain?

Author: Madison Christian

Which of these may pertain to the term strain?

Please choose only one answer:

- coli 0157:H7
- coli
- minor variation of a species
- major variation of a species
- coli 0157:H7 AND minor variation of a species

Check the answer of this question online at QuizOver.com:

Question: [Which of these may pertain to the term Madison Christian Final](#)

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4.1.8. Viruses may only be grown

Author: Madison Christian

Viruses may only be grown

Please choose only one answer:

- in sterile, cell-free chemical growth media.
- in living cells.
- at body temperature.
- in darkness.

Check the answer of this question online at QuizOver.com:

Question: [Viruses may only be grown Madison Christian Final Exam Practice Quest](#)

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<http://www.quizover.com/flashcards/question-viruses-may-only-be-grown-madison-christian-final-exam-practi?pdf=1505>

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4.1.9. The prokaryotic cell scheme is found in

Author: Madison Christian

The prokaryotic cell scheme is found in

Please choose only one answer:

- Bacteria.
- Archaea.
- Eucarya.
- All of the choices are correct.
- Bacteria AND Archaea.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [The prokaryotic cell scheme is found in Madison Christian Final Quest](#)

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4.1.10. Bioremediation refers to

Author: Madison Christian

Bioremediation refers to

Please choose only one answer:

- rehabilitating wayward bacteria.
- using bacteria to clean up pollutants.
- vaccine development.
- monitoring newly discovered disease organisms.

Check the answer of this question online at QuizOver.com:

Question: [Bioremediation refers to Madison Christian Final Exam Practice for](#)

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4.1.11. The scientific name of an organism includes its

Author: Madison Christian

The scientific name of an organism includes its

Please choose only one answer:

- family and genus.
- first name and last name.
- genus and species.
- domain.
- genus and species AND domain.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [The scientific name of an organism includes Madison Final Exam Quest](#)

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4.1.12. Smallpox

Author: Madison Christian

Smallpox

Please choose only one answer:

- aided European domination of New World Nations.
- has not occurred naturally anywhere in the world since 1977.
- has potential as a weapon of bioterrorism.
- has killed millions of people.
- All of the choices are correct.

Check the answer of this question online at QuizOver.com:

Question: [Smallpox Madison Christian Final Exam Practice for Microbiology Quest](#)

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4.1.13. The word "Animalcule" was coined by

Author: Madison Christian

The word "Animalcule" was coined by

Please choose only one answer:

- Pasteur.
- van Leeuwenhoek.
- Redi.
- Tyndall.

Check the answer of this question online at QuizOver.com:

Question: [The word Animalcule was coined by Madison Christian Final Exam Quest](#)

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4.1.14. Smallpox

Author: Madison Christian

Smallpox

Please choose only one answer:

- has been eliminated as a naturally occurring infection in human beings.
- still occasionally occurs in Third World Countries.
- probably only had a human reservoir.
- was dealt with by vaccination.
- has been eliminated as a naturally occurring infection in human beings, AND was dealt with by vaccination.

Check the answer of this question online at QuizOver.com:

Question: [Smallpox Madison Christian Final Exam Practice for Microbiology Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-smallpox-madison-christian-final-exam-practice-for-mi-0019794?pdf=1505>

Interactive Question:

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4.1.15. The smallest organism is probably determined by

Author: Madison Christian

The smallest organism is probably determined by

Please choose only one answer:

- the number of molecules necessary for its growth and replication.
- the size of the molecules necessary for its growth and replication.
- its membrane.
- its volume.
- the number of molecules necessary for its growth and replication AND the size of the molecules necessary for its growth and replication.

Check the answer of this question online at QuizOver.com:

Question: [The smallest organism is probably determined Madison Final Exam Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-smallest-organism-is-probably-determined-madison-final-ex?pdf=1505>

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4.1.16. HIV/AIDS can be categorized as a new or emerging infectious disease...

Author: Madison Christian

HIV/AIDS can be categorized as a new or emerging infectious disease. By putting it into this category, we are effectively saying that

Please choose only one answer:

- this infection hasn't been observed in the human population prior to recent (approximately 50 years or sooner) outbreaks.
- this disease has been in susceptible populations for centuries, but has only recently achieved infection levels that became detectable.
- the infectious agent is still evolving and changing, unlike with older, more established diseases such as plague or polio.
- the disease has always been in susceptible populations and causing disease, but we lacked the technology to detect it.

Check the answer of this question online at QuizOver.com:

Question: [HIV/AIDS can be categorized as a new or Madison Christian Final Quest](#)

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4.1.17. Viruses

Author: Madison Christian

Viruses

Please choose only one answer:

- are obligate intracellular parasites.
- are single-celled organisms.
- consist of only proteins.
- are in the Domain Archaea.
- are obligate intracellular parasites AND are single-celled organisms.

Check the answer of this question online at QuizOver.com:

Question: [Viruses Madison Christian Final Exam Practice for Microbiology Quest](#)

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4.1.18. Which is not usually true of Archaea?

Author: Madison Christian

Which is not usually true of Archaea?

Please choose only one answer:

- They are found as rods, spheres, or spirals.
- They reproduce by binary fission.
- They contain rigid cell walls.
- They are found as single cells.
- They contain peptidoglycan as part of their cell walls.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Which is not usually true of Archaea Madison Christian Final Exam](#)

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4.1.19. Prions

Author: Madison Christian

Prions

Please choose only one answer:

- are only composed of RNA.
- are only composed of DNA.
- are only composed of protein.
- cause diseases in plants.
- are only composed of RNA AND cause diseases in plants.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Prions Madison Christian Final Exam Practice for Microbiology Quest](#)

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4.1.20. Viruses, viroids and prions all

Author: Madison Christian

Viruses, viroids and prions all

Please choose only one answer:

- operate intracellularly.
- may be considered acellular agents of disease.
- contain DNA.
- infect only animals.
- operate intracellularly AND may be considered acellular agents of disease.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Viruses viroids and prions all Madison Christian Final Exam Practice](#)

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4.1.21. The idea of Spontaneous Generation postulated that

Author: Madison Christian

The idea of Spontaneous Generation postulated that

Please choose only one answer:

- organisms could evolve into the next generation of organisms.
- organisms could spontaneously combust.
- organisms could spontaneously arise from other living organisms.
- living organisms could spontaneously arise from non-living material.

Check the answer of this question online at QuizOver.com:

Question: [The idea of Spontaneous Generation postulated Madison Final Exam](#)

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4.1.22. The outbreak of measles within the last few years was due to

Author: Madison Christian

The outbreak of measles within the last few years was due to

Please choose only one answer:

- mutation of the virus.
- change in the environment.
- a decline in vaccination of children in the previous years.
- increase in sensitivity of detection techniques.

Check the answer of this question online at QuizOver.com:

Question: [The outbreak of measles within the last Madison Christian Final Quest](#)

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4.1.23. The opposite results obtained by scientists apparently doing the sa...

Author: Madison Christian

The opposite results obtained by scientists apparently doing the same experiments in investigating spontaneous generation

Please choose only one answer:

- shows the importance of repeating experiments.
- shows the importance of exactly duplicating experimental conditions.
- led to further experiments that ultimately furthered knowledge.
- All of the choices are correct.

Check the answer of this question online at QuizOver.com:

Question: [The opposite results obtained by scientists Madison Final Exam Quest](#)

Flashcards:

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4.1.24. Why are we concerned at all with monitoring emerging/reemerging dis...

Author: Madison Christian

Why are we concerned at all with monitoring emerging/reemerging diseases?

Please choose only one answer:

- These represent growing threats to human health that will require new scientific research and resources to effectively combat.
- Because globalization (greater trade and travel between countries) leads to more chances for spread of illnesses into new areas and populations. Monitoring these illnesses will help us to protect people.
- Because the speed of travel has increased greatly. With increased speed of travel, it is far more likely that a serious pathogenic threat from one area of the world can spread rapidly across the globe in a very fast manner. We need to monitor the occurrence of these illnesses to try to protect populations.
- All of the above.

Check the answer of this question online at QuizOver.com:

Question: [Why are we concerned at all with monitoring Madison Final Exam Quest](#)

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4.1.25. A protein

Author: Madison Christian

A protein

Please choose only one answer:

- assumes any number of equally functional shapes.
- may need help, in the form of chaperones, to assume the correct shape.
- consists of a string of hydroxyl acids.
- is always polar.
- assumes any number of equally functional shapes AND may need help, in the form of chaperones, to assume the correct shape.

Check the answer of this question online at QuizOver.com:

Question: [A protein Madison Christian Final Exam Practice for Microbiology](#)

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4.1.26. The negatively charged component of the atom is the

Author: Madison Christian

The negatively charged component of the atom is the

Please choose only one answer:

- proton.
- nucleus.
- neutron.
- electron.

Check the answer of this question online at QuizOver.com:

Question: [The negatively charged component of the Madison Christian Final Quest](#)

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4.1.27. The N terminal in a protein

Author: Madison Christian

The N terminal in a protein

Please choose only one answer:

- is the end characterized by a free carboxyl group.
- is the end characterized by a free amino group.
- is typically found in the middle of a protein.
- refers to that area of a protein that is bound to another protein.

Check the answer of this question online at QuizOver.com:

Question: [The N terminal in a protein Madison Christian Final Exam Practice](#)

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4.1.28. D-amino acids are associated with

Author: Madison Christian

D-amino acids are associated with

Please choose only one answer:

- radioactive isotopes.
- human proteins.
- plant proteins.
- bacterial cell walls.

Check the answer of this question online at QuizOver.com:

Question: [D-amino acids are associated Madison Christian Final Exam Practice](#)

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<http://www.quizover.com/flashcards/question-d-amino-acids-are-associated-madison-christian-final-exam-pra?pdf=1505>

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4.1.29. The positively charged component of the atom is the

Author: Madison Christian

The positively charged component of the atom is the

Please choose only one answer:

- electron.
- neutron.
- proton.
- quark.

Check the answer of this question online at QuizOver.com:

Question: [The positively charged component of the Madison Christian Final Quest](#)

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4.1.30. Electrons

Author: Madison Christian

Electrons

Please choose only one answer:

- are found in areas outside the nucleus known as orbitals.
- may gain or lose energy.
- may move from one orbital to another.
- are located farthest from the nucleus and have the least energy.
- are found in areas outside the nucleus known as orbitals, may gain or lose energy, and may move from one orbital to another.

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4.1.31. Charged atoms are termed

Author: Madison Christian

Charged atoms are termed

Please choose only one answer:

- ions.
- neutrons.
- molecules.
- polymers.

Check the answer of this question online at QuizOver.com:

Question: [Charged atoms are termed Madison Christian Final Exam Practice for](#)

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4.1.32. Which is true of carbohydrates?

Author: Madison Christian

Which is true of carbohydrates?

Please choose only one answer:

- They may be part of the structure of bacteria.
- They may serve as a source of food.
- They contain carbon, hydrogen and oxygen in a 1:2:1 ratio.
- They may be bonded to proteins to form glycoproteins.
- All of the choices are correct.

Check the answer of this question online at QuizOver.com:

Question: [Which is true of carbohydrates Madison Christian Final Exam Practice](#)

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4.1.33. Atoms that gain electrons are now

Author: Madison Christian

Atoms that gain electrons are now

Please choose only one answer:

- positively charged.
- negatively charged.
- neutral.
- lighter.

Check the answer of this question online at QuizOver.com:

Question: [Atoms that gain electrons are now Madison Christian Final Exam Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-atoms-that-gain-electrons-are-now-madison-christian-final-exa?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-atoms-that-gain-electrons-are-now-madison-christian-final-exa?pdf=1505>

4.1.34. Protein denaturation can

Author: Madison Christian

Protein denaturation can

Please choose only one answer:

- occur due to certain chemicals.
- occur due to pH changes.
- occur due to high temperature.
- cause the protein to no longer function.
- All of the choices are correct.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Protein denaturation can Madison Christian Final Exam Practice for](#)

Flashcards:

<http://www.quizover.com/flashcards/question-protein-denaturation-can-madison-christian-final-exam-practic?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-protein-denaturation-can-madison-christian-final-exam-practic?pdf=1505>

4.1.35. Which is true of nucleotides?

Author: Madison Christian

Which is true of nucleotides?

Please choose only one answer:

- They are the building blocks of DNA.
- They carry chemical energy in their bonds.
- They are part of certain enzymes.
- They serve as specific signaling molecules.
- All of the choices are true.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Which is true of nucleotides Madison Christian Final Exam Practice](#)

Flashcards:

<http://www.quizover.com/flashcards/question-which-is-true-of-nucleotides-madison-christian-final-exam-pra?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-which-is-true-of-nucleotides-madison-christian-final-exam-pra?pdf=1505>

4.1.36. The atom, as a whole, is uncharged because

Author: Madison Christian

The atom, as a whole, is uncharged because

Please choose only one answer:

- the number of protons equals the number of neutrons
- the number of electrons equals the number of neutrons.
- neutrons neutralize the charges.
- the number of protons equals the number of electrons.

Check the answer of this question online at QuizOver.com:

Question: [The atom as a whole is uncharged because Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-atom-as-a-whole-is-uncharged-because-madison-christian-fi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-atom-as-a-whole-is-uncharged-because-madison-christian-fi?pdf=1505>

4.1.37. Side chains are important to proteins because they

Author: Madison Christian

Side chains are important to proteins because they

Please choose only one answer:

- help determine protein shape.
- help determine the degree of solubility of the protein in water.
- are a source of energy for hydration reactions in the cell.
- form the peptide bonds which link amino acids to one another.
- help determine protein shape AND help determine the degree of solubility of the protein in water.

Check the answer of this question online at QuizOver.com:

Question: [Side chains are important to proteins Madison Christian Final Exam](#)

Flashcards:

<http://www.quizover.com/flashcards/question-side-chains-are-important-to-proteins-madison-christian-final?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-side-chains-are-important-to-proteins-madison-christian-final?pdf=1505>

4.1.38. Which is(are) true of lipids?

Author: Madison Christian

Which is(are) true of lipids?

Please choose only one answer:

- They are a major structural element of all cell membranes.
- They act as gatekeepers of the cell.
- They demark the inside vs. the outside of the cell.
- They are a heterogeneous group of molecules.
- All of the choices are correct.

Check the answer of this question online at QuizOver.com:

Question: [Which is are true of lipids Madison Christian Final Exam Practice](#)

Flashcards:

<http://www.quizover.com/flashcards/question-which-is-are-true-of-lipids-madison-christian-final-exam-prac?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-which-is-are-true-of-lipids-madison-christian-final-exam-prac?pdf=1505>

4.1.39. Water

Author: Madison Christian

Water

Please choose only one answer:

- is a polar molecule.
- is referred to as a universal solvent.
- makes up over 70% (by wt.) of an organism.
- is often a product or reactant in chemical reactions.
- All of the choices are correct.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Water Madison Christian Final Exam Practice for Microbiology Lecture](#)

Flashcards:

<http://www.quizover.com/flashcards/question-water-madison-christian-final-exam-practice-for-microbiology?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-water-madison-christian-final-exam-practice-for-microbiology?pdf=1505>

4.1.40. If the side chains of amino acids contain the ammonium ion, they re...

Author: Madison Christian

If the side chains of amino acids contain the ammonium ion, they readily form ions that

Please choose only one answer:

- are described as acidic amino acids.
- give positive electric charges to the amino acid.
- are described as basic amino acids.
- react with lipids to form lipoproteins.
- give positive electric charges to the amino acid AND are described as basic amino acids.

Check the answer of this question online at QuizOver.com:

Question: [If the side chains of amino acids contain Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-if-the-side-chains-of-amino-acids-contain-madison-christian-f?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-if-the-side-chains-of-amino-acids-contain-madison-christian-f?pdf=1505>

4.1.41. The components of fats are fatty acids and

Author: Madison Christian

The components of fats are fatty acids and

Please choose only one answer:

- amino acids.
- nucleotides.
- phosphate.
- glycerol.
- All of the choices are correct.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [The components of fats are fatty acids Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-components-of-fats-are-fatty-acids-madison-christian-fina?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-components-of-fats-are-fatty-acids-madison-christian-fina?pdf=1505>

4.1.42. The energy storage form of ATP

Author: Madison Christian

The energy storage form of ATP

Please choose only one answer:

- contains deoxyribose.
- contains ribose.
- contains a pyrimidine base.
- readily releases energy by breaking the bond between the base and the sugar.
- contains deoxyribose, contains a pyrimidine base AND readily releases energy by breaking the bond between the base and the sugar.

Check the answer of this question online at QuizOver.com:

Question: [The energy storage form of ATP Madison Christian Final Exam Practice](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-energy-storage-form-of-atp-madison-christian-final-exam-p?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-energy-storage-form-of-atp-madison-christian-final-exam-p?pdf=1505>

4.1.43. The atomic number for an atom of a specific element is equal to

Author: Madison Christian

The atomic number for an atom of a specific element is equal to

Please choose only one answer:

- the number of electrons in a single atom of that element.
- the number of electrons plus neutrons in a single atom of that element.
- the number of protons in a single atom of that element.
- the number of neutrons and protons in a single atom of that element.

Check the answer of this question online at QuizOver.com:

Question: [The atomic number for an atom of a specific Madison Final Exam Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-atomic-number-for-an-atom-of-a-specific-madison-final-exa?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-atomic-number-for-an-atom-of-a-specific-madison-final-exa?pdf=1505>

4.1.44. Amino acids in proteins are linked to one another by peptide bonds ...

Author: Madison Christian

Amino acids in proteins are linked to one another by peptide bonds between the

Please choose only one answer:

- methyl group of one amino acid and a side group of another amino acid.
- carbon atoms of two adjacent amino acids.
- carboxyl group of one amino acid and the amino group of another.
- nitrogen atom and carboxyl ion.

Check the answer of this question online at QuizOver.com:

Question: [Amino acids in proteins are linked to one Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-amino-acids-in-proteins-are-linked-to-one-madison-christian-f?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-amino-acids-in-proteins-are-linked-to-one-madison-christian-f?pdf=1505>

4.1.45. Proteins

Author: Madison Christian

Proteins

Please choose only one answer:

- are involved in almost every important function performed by a cell.
- comprise more than 50% of the dry weight of a cell.
- are composed of a string of nucleotides.
- are characterized by a 1:2:1 ratio of carbon to hydrogen to oxygen.
- are involved in almost every important function performed by a cell AND comprise more than 50% of the dry weight of a cell.

Check the answer of this question online at QuizOver.com:

Question: [Proteins Madison Christian Final Exam Practice for Microbiology Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-proteins-madison-christian-final-exam-practice-for-microbiolo?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-proteins-madison-christian-final-exam-practice-for-microbiolo?pdf=1505>

4.1.46. Which of the following microscope types would be least useful in vi...

Author: Madison Christian

Which of the following microscope types would be least useful in viewing unstained living cells?

Please choose only one answer:

- phase contrast
- interference
- bright-field
- dark-field

Check the answer of this question online at QuizOver.com:

Question: [Which of the following microscope types Madison Christian Final Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-which-of-the-following-microscope-types-madison-christian-fin?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-which-of-the-following-microscope-types-madison-christian-fin?pdf=1505>

4.1.47. In viewing a microscopic specimen, oil is used to

Author: Madison Christian

In viewing a microscopic specimen, oil is used to

Please choose only one answer:

- increase the refraction.
- decrease the refraction.
- increase the reflection.
- increase the resolution.
- decrease the refraction AND increase the resolution.

Check the answer of this question online at QuizOver.com:

Question: [In viewing a microscopic specimen oil is Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-in-viewing-a-microscopic-specimen-oil-is-madison-christian-fi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-in-viewing-a-microscopic-specimen-oil-is-madison-christian-fi?pdf=1505>

4.1.48. Which of the following stains is/are considered differential?

Author: Madison Christian

Which of the following stains is/are considered differential?

Please choose only one answer:

- capsule stain.
- flagella stain.
- acid-fast stain.
- Gram stain.
- acid-fast stain AND Gram stain.

Check the answer of this question online at QuizOver.com:

Question: [Which of the following stains is/are Madison Christian Final Exam](#)

Flashcards:

<http://www.quizover.com/flashcards/question-which-of-the-following-stains-is-are-madison-christian-final?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-which-of-the-following-stains-is-are-madison-christian-final?pdf=1505>

4.1.49. If everything else is equal, the best way to observe more details i...

Author: Madison Christian

If everything else is equal, the best way to observe more details in a microscopic specimen is to

Please choose only one answer:

- increase resolution.
- increase magnification.

Check the answer of this question online at QuizOver.com:

Question: [If everything else is equal the best way Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-if-everything-else-is-equal-the-best-way-madison-christian-fi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-if-everything-else-is-equal-the-best-way-madison-christian-fi?pdf=1505>

4.1.50. The cell wall of Gram-positive bacteria

Author: Madison Christian

The cell wall of Gram-positive bacteria

Please choose only one answer:

- contains a thin layer of peptidoglycan.
- contains a thick layer of peptidoglycan.
- is, due to its thickness, an excellent barrier to most molecules.
- contains an outer membrane containing LPS.
- contains a thin layer of peptidoglycan AND contains an outer membrane containing LPS.

Check the answer of this question online at QuizOver.com:

Question: [The cell wall of Gram-positive bacteria Madison Christian Final Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-cell-wall-of-gram-positive-bacteria-madison-christian-fin?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-cell-wall-of-gram-positive-bacteria-madison-christian-fin?pdf=1505>

4.1.51. The endospore stain

Author: Madison Christian

The endospore stain

Please choose only one answer:

- is applicable to only a few groups of bacteria.
- usually shows the spores as green structures among a background of pink cells.
- uses crystal violet as the primary stain.
- is an example of a negative stain.
- is applicable to only a few groups of bacteria AND usually shows the spores as green structures among a background of pink cells.

Check the answer of this question online at QuizOver.com:

Question: [The endospore stain Madison Christian Final Exam Practice for Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-endospore-stain-madison-christian-final-exam-practice-for?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-endospore-stain-madison-christian-final-exam-practice-for?pdf=1505>

4.1.52. Extrachromosomal DNA is found in _____.

Author: Madison Christian

Extrachromosomal DNA is found in _____.

Please choose only one answer:

- mitochondria
- plasmids
- nucleoid
- nucleoli
- mitochondria AND plasmids

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Extrachromosomal DNA is found in . Madison Christian Final Exam Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-extrachromosomal-dna-is-found-in-madison-christian-final-exam?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-extrachromosomal-dna-is-found-in-madison-christian-final-exam?pdf=1505>

4.1.53. Electron microscopes differ from light microscopes in that

Author: Madison Christian

Electron microscopes differ from light microscopes in that

Please choose only one answer:

- electrons replace light.
- electromagnets replace glass lenses.
- resolution is higher.
- magnification is higher.
- All of the choices are correct.

Check the answer of this question online at QuizOver.com:

Question: [Electron microscopes differ from light Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-electron-microscopes-differ-from-light-madison-christian-fina?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-electron-microscopes-differ-from-light-madison-christian-fina?pdf=1505>

4.1.54. The microscope which allows the specimen to appear 3-dimensional is...

Author: Madison Christian

The microscope which allows the specimen to appear 3-dimensional is the

Please choose only one answer:

- phase contrast microscope.
- interference microscope.
- fluorescence microscope.
- dark-field microscope.

Check the answer of this question online at QuizOver.com:

Question: [The microscope which allows the specimen Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-microscope-which-allows-the-specimen-madison-christian-fi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-microscope-which-allows-the-specimen-madison-christian-fi?pdf=1505>

4.1.55. Which is not true of mitochondria and chloroplasts?

Author: Madison Christian

Which is not true of mitochondria and chloroplasts?

Please choose only one answer:

- They are found in all organisms.
- They contain DNA and 70S ribosomes.
- They are capable of performing protein synthesis.
- They generate ATP.

Check the answer of this question online at QuizOver.com:

Question: [Which is not true of mitochondria and Madison Christian Final Exam](#)

Flashcards:

<http://www.quizover.com/flashcards/question-which-is-not-true-of-mitochondria-and-madison-christian-final?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-which-is-not-true-of-mitochondria-and-madison-christian-final?pdf=1505>

4.1.56. Your instructor wants you to bring in an example of a biofilm to yo...

Author: Madison Christian

Your instructor wants you to bring in an example of a biofilm to your lab. Which choice is the best selection for bringing in an intact biofilm for further study?

Please choose only one answer:

- Disconnecting and bringing in the old, mildewed showerhead from the showers in your dorm.
- Scraping the mold off of the shower curtain in your dorm's bathroom into a paper cup using a butter knife.
- Using a toothpick to scrape plaque off of your teeth and smearing it onto a slide to bring in to lab.
- Wiping a sponge across a slimy boulder in a stream in a nearby park and bringing it in to lab.

Check the answer of this question online at QuizOver.com:

Question: [Your instructor wants you to bring in an Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-your-instructor-wants-you-to-bring-in-an-madison-christian-fi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-your-instructor-wants-you-to-bring-in-an-madison-christian-fi?pdf=1505>

4.1.57. Which of the following bacteria lack a cell wall?

Author: Madison Christian

Which of the following bacteria lack a cell wall?

Please choose only one answer:

- Treponema pallidum
- Mycobacterium tuberculosis
- Staphylococcus aureus
- Mycoplasma pneumoniae

Check the answer of this question online at QuizOver.com:

Question: [Which of the following bacteria lack a Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-which-of-the-following-bacteria-lack-a-madison-christian-fina?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-which-of-the-following-bacteria-lack-a-madison-christian-fina?pdf=1505>

4.1.58. The macromolecule found in the cell walls of all bacteria is

Author: Madison Christian

The macromolecule found in the cell walls of all bacteria is

Please choose only one answer:

- diaminopimelic acid.
- teichoic acid.
- peptidoglycan.
- glycocalyx.

Check the answer of this question online at QuizOver.com:

Question: [The macromolecule found in the cell walls Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-macromolecule-found-in-the-cell-walls-madison-christian-f?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-macromolecule-found-in-the-cell-walls-madison-christian-f?pdf=1505>

4.1.59. Movement in bacteria

Author: Madison Christian

Movement in bacteria

Please choose only one answer:

- is directly to or away from a stimulus.
- relies on the beating of cilia.
- is often referred to as run and tumble.
- may involve pili.
- is often referred to as run and tumble AND may involve pili.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Movement in bacteria Madison Christian Final Exam Practice for Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-movement-in-bacteria-madison-christian-final-exam-practice-fo?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-movement-in-bacteria-madison-christian-final-exam-practice-fo?pdf=1505>

4.1.60. Facilitated diffusion and active transport

Author: Madison Christian

Facilitated diffusion and active transport

Please choose only one answer:

- both transport molecules into or out of a cell.
- are both not very specific as to which molecules are transported.
- both require a concentration gradient to function.
- both require an expenditure of energy in order to transport the molecules.
- both require a concentration gradient to function AND both require an expenditure of energy in order to transport the molecules.

Check the answer of this question online at QuizOver.com:

Question: [Facilitated diffusion and active transport Madison Final Exam Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-facilitated-diffusion-and-active-transport-madison-final-exam?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-facilitated-diffusion-and-active-transport-madison-final-exam?pdf=1505>

4.1.61. Which fluorescent stain would be useful for distinguishing between ...

Author: Madison Christian

Which fluorescent stain would be useful for distinguishing between dead and living bacteria?

Please choose only one answer:

- acridine orange
- auramine
- rhodamine
- CTC

Check the answer of this question online at QuizOver.com:

Question: [Which fluorescent stain would be useful Madison Christian Final Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-which-fluorescent-stain-would-be-useful-madison-christian-fin?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-which-fluorescent-stain-would-be-useful-madison-christian-fin?pdf=1505>

4.1.62. The cytoskeleton

Author: Madison Christian

The cytoskeleton

Please choose only one answer:

- is a dynamic structure composed of microtubules, microfilaments and intermediate filaments.
- is a static structure that gives a rigid shape to the cell.
- consists of flagella and cilia that are internalized.
- is not necessary for movement or reproduction.
- is a static structure that gives a rigid shape to the cell, consists of flagella and cilia that are internalized AND is not necessary for movement or reproduction.

Check the answer of this question online at QuizOver.com:

Question: [The cytoskele Madison Christian Final Exam Practice for Microbiology](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-cytoskele-madison-christian-final-exam-practice-for-micro?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-cytoskele-madison-christian-final-exam-practice-for-micro?pdf=1505>

4.1.63. Endotoxin

Author: Madison Christian

Endotoxin

Please choose only one answer:

- consists of LPS.
- determines bacterial shape.
- may have different effects depending on the specific bacterial source.
- is toxic due to the effects of the peptide side chains.
- determines bacterial shape, may have different effects depending on the specific bacterial source AND is toxic due to the effects of the peptide side chains.

Check the answer of this question online at QuizOver.com:

Question: [Endotoxin Madison Christian Final Exam Practice for Microbiology](#)

Flashcards:

<http://www.quizover.com/flashcards/question-endotoxin-madison-christian-final-exam-practice-for-microbiol?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-endotoxin-madison-christian-final-exam-practice-for-microbiol?pdf=1505>

4.1.64. The membranes of eukaryotes and mycoplasma

Author: Madison Christian

The membranes of eukaryotes and mycoplasma

Please choose only one answer:

- contain peptidoglycan.
- contain sterols for "strength".
- contain ergosterol.
- are fixed static structures.

Check the answer of this question online at QuizOver.com:

Question: [The membranes of eukaryotes and mycoplasma Madison Final Exam Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-membranes-of-eukaryotes-and-mycoplasma-madison-final-exam?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-membranes-of-eukaryotes-and-mycoplasma-madison-final-exam?pdf=1505>

4.1.65. An advantage of the smaller size of prokaryotes, compared to eukary...

Author: Madison Christian

An advantage of the smaller size of prokaryotes, compared to eukaryotes, is

Please choose only one answer:

- high surface area relative to low cell volume.
- more rapid growth rates.
- compartmentalization of cellular processes in membrane-bound organelles.
- predators, parasites, and competitors constantly surround them.
- high surface area relative to low cell volume AND more rapid growth rates.

Check the answer of this question online at QuizOver.com:

Question: [An advantage of the smaller size of Madison Christian Final Exam](#)

Flashcards:

<http://www.quizover.com/flashcards/question-an-advantage-of-the-smaller-size-of-madison-christian-final-e?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-an-advantage-of-the-smaller-size-of-madison-christian-final-e?pdf=1505>

4.1.66. The cell wall of Gram-negative organisms

Author: Madison Christian

The cell wall of Gram-negative organisms

Please choose only one answer:

- has a thick peptidoglycan layer.
- has a thin peptidoglycan layer.
- is more permeable to various molecules than the Gram-positive cell wall.
- is characterized by an outer membrane containing LPS.
- has a thin peptidoglycan layer AND is characterized by an outer membrane containing LPS.

Check the answer of this question online at QuizOver.com:

Question: [The cell wall of Gram-negative organisms Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-cell-wall-of-gram-negative-organisms-madison-christian-fi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-cell-wall-of-gram-negative-organisms-madison-christian-fi?pdf=1505>

4.1.67. The resolving power of a microscope is described as the ability of ...

Author: Madison Christian

The resolving power of a microscope is described as the ability of the microscope to

Please choose only one answer:

- separate clearly two objects that are very close together.
- magnify an object.
- separate the colors of an organism's internal structure.
- see structures at various depths in a tissue.

Check the answer of this question online at QuizOver.com:

Question: [The resolving power of a microscope is Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-resolving-power-of-a-microscope-is-madison-christian-fina?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-resolving-power-of-a-microscope-is-madison-christian-fina?pdf=1505>

4.1.68. Capsules

Author: Madison Christian

Capsules

Please choose only one answer:

- take up stain well.
- may correlate with an organism's ability to cause disease.
- are typically "negatively" stained.
- are stained as a wet mount.
- may correlate with an organism's ability to cause disease, are typically "negatively" stained AND are stained as a wet mount.

Check the answer of this question online at QuizOver.com:

Question: [Capsules Madison Christian Final Exam Practice for Microbiology Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-capsules-madison-christian-final-exam-practice-for-microbiolo?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-capsules-madison-christian-final-exam-practice-for-microbiolo?pdf=1505>

4.1.69. Phagocytosis

Author: Madison Christian

Phagocytosis

Please choose only one answer:

- is the ingestion of particles and may be performed by animal cells.
- is the ingestion of particles and may be performed by bacteria.
- is the secretion of proteins.
- is the formation of a lysosome.
- is the ingestion of particles and may be performed by bacteria AND is the formation of a lysosome.

Check the answer of this question online at QuizOver.com:

Question: [Phagocytosis Madison Christian Final Exam Practice for Microbiology](#)

Flashcards:

<http://www.quizover.com/flashcards/question-phagocytosis-madison-christian-final-exam-practice-for-microb?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-phagocytosis-madison-christian-final-exam-practice-for-microb?pdf=1505>

4.1.70. Bacteria may be stored

Author: Madison Christian

Bacteria may be stored

Please choose only one answer:

- on a slant in the refrigerator.
- frozen in glycerol solution.
- lyophilized.
- in broth at 37°C.
- on a slant in the refrigerator, frozen in glycerol solution AND lyophilized.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Bacteria may be stored Madison Christian Final Exam Practice for](#)

Flashcards:

<http://www.quizover.com/flashcards/question-bacteria-may-be-stored-madison-christian-final-exam-practice?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-bacteria-may-be-stored-madison-christian-final-exam-practice?pdf=1505>

4.1.71. You are working in a clinical laboratory in a hospital setting. You...

Author: Madison Christian

You are working in a clinical laboratory in a hospital setting. You're handed a throat swab from a patient. You are told specifically that the physician is only interested in what Gram positive cells are present. What might you do first to go about working towards this goal? Identification isn't the main goal here-just a first step to work towards determining what Gram positive cells might be there.

Please choose only one answer:

- Perform a Gram stain.
- Streak the sample for isolation on a tryptic soy agar general purpose medium plate.
- Streak the sample for isolation on a medium that is selective for Gram positive cells while suppressing Gram negative cell growth.
- Grow the microbes on the swab by inoculating a tryptic soy broth liquid medium tube.
- Perform an acid-fast stain.

Check the answer of this question online at QuizOver.com:

Question: [You are working in a clinical laboratory Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-you-are-working-in-a-clinical-laboratory-madison-christian-fi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-you-are-working-in-a-clinical-laboratory-madison-christian-fi?pdf=1505>

4.1.72. Late log phase of the bacterial growth curve

Author: Madison Christian

Late log phase of the bacterial growth curve

Please choose only one answer:

- is marked by the production of primary metabolites.
- is marked by the production of secondary metabolites.
- is a transition into the death phase.
- shows a decline in cell numbers.

Check the answer of this question online at QuizOver.com:

Question: [Late log phase of the bacterial growth Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-late-log-phase-of-the-bacterial-growth-madison-christian-fina?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-late-log-phase-of-the-bacterial-growth-madison-christian-fina?pdf=1505>

4.1.73. A microbe is discovered growing near a deep sea thermal vent. When ...

Author: Madison Christian

A microbe is discovered growing near a deep sea thermal vent. When researchers bring a sample up to the surface and try to grow it in a lab at room temperature in a normal incubator, they are unsuccessful. Why?

Please choose only one answer:

- The pressure isn't the same at sea-level as it is on the ocean floor.
- Oxygen concentrations are very different between the two environments-it's possible the microbe is a strict anaerobe and is poisoned by the air (oxygen) in the lab.
- Salt concentrations might be different in the media the researchers are attempting to use and the salt water the microbe is used to living in. This might be causing osmotic pressure differences that the microbe can't tolerate.
- The temperature is probably very different-the bottom of the ocean would be very cold, while these researchers are trying to grow this microbe at room temperature. The enzymes in the cells are probably outside of their normal operating range at room temperature, and therefore nonfunctional.
- All of the above.

Check the answer of this question online at QuizOver.com:

Question: [A microbe is discovered growing near a Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-a-microbe-is-discovered-growing-near-a-madison-christian-fina?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-a-microbe-is-discovered-growing-near-a-madison-christian-fina?pdf=1505>

4.1.74. The optimal temperature for most human pathogens might be expected ...

Author: Madison Christian

The optimal temperature for most human pathogens might be expected to range from

Please choose only one answer:

- 35-40°C.
- 20-45°C.
- 15-25°C.
- 93-98.6°C.

Check the answer of this question online at QuizOver.com:

Question: [The optimal temperature for most human Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-optimal-temperature-for-most-human-madison-christian-fina?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-optimal-temperature-for-most-human-madison-christian-fina?pdf=1505>

4.1.75. During which phase of the bacterial growth curve does a bacterial p...

Author: Madison Christian

During which phase of the bacterial growth curve does a bacterial population become much more resistant to harmful conditions?

Please choose only one answer:

- lag phase
- exponential phase
- stationary phase
- late log phase

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [During which phase of the bacterial growth Madison Final Exam Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-during-which-phase-of-the-bacterial-growth-madison-final-exam?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-during-which-phase-of-the-bacterial-growth-madison-final-exam?pdf=1505>

4.1.76. A medium that inhibits the growth of organisms other than the one b...

Author: Madison Christian

A medium that inhibits the growth of organisms other than the one being sought is termed a(n)

Please choose only one answer:

- synthetic medium.
- specific culture medium.
- selective medium.
- enrichment medium.

Check the answer of this question online at QuizOver.com:

Question: [A medium that inhibits the growth of Madison Christian Final Exam](#)

Flashcards:

<http://www.quizover.com/flashcards/question-a-medium-that-inhibits-the-growth-of-madison-christian-final?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-a-medium-that-inhibits-the-growth-of-madison-christian-final?pdf=1505>

4.1.77. Small organic molecules that must be provided to bacteria in order ...

Author: Madison Christian

Small organic molecules that must be provided to bacteria in order for them to grow are called

Please choose only one answer:

- minerals.
- growth factors.
- water.
- vitamins.

Check the answer of this question online at QuizOver.com:

Question: [Small organic molecules that must be Madison Christian Final Exam](#)

Flashcards:

<http://www.quizover.com/flashcards/question-small-organic-molecules-that-must-be-madison-christian-final?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-small-organic-molecules-that-must-be-madison-christian-final?pdf=1505>

4.1.78. You take absorbance readings on a spectrophotometer across a 6 hour...

Author: Madison Christian

You take absorbance readings on a spectrophotometer across a 6 hour culture of E. coli cells growing in tryptic soy broth (TSB). Your absorbance readings clearly indicate a lag phase, a log phase, and a stationary phase. You come back in and take readings at 8, 10, 12, 14, and 16 hours, but the absorbance number remains the same. Shouldn't it start coming down as the closed batch culture enters death phase? What's the most likely thing that is happening?

Please choose only one answer:

- Clearly, something is wrong with the spectrophotometer and it isn't measuring the correct values. Perhaps something is on the detector, making it register falsely high absorbance numbers.
- When we establish a growth curve, we should actually plot the log of the number of viable cells vs. time. However, a spectrophotometer can only measure absorbance. Absorbance is NOT the same as the number of viable cells. Many of the cells in the tube are most likely dead, but the machine can't discriminate between a live cell and a dead one. This keeps the absorbance high even into the death phase.
- It'll happen-E. coli just grow slowly. We haven't gotten to the end of the stationary phase yet. Be patient!
- Perhaps there's a big smudge of something on the tube that is blocking some of the light. This would lead to an elevated reading for every timepoint after the smudge was placed on the tube.

Check the answer of this question online at QuizOver.com:

Question: [You take absorbance readings on a Madison Christian Final Exam Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-you-take-absorbance-readings-on-a-madison-christian-final-exa?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-you-take-absorbance-readings-on-a-madison-christian-final-exa?pdf=1505>

4.1.79. Generally the proteins of thermophiles

Author: Madison Christian

Generally the proteins of thermophiles

Please choose only one answer:

- resist denaturation.
- react more efficiently with DNA.
- are easily denatured.
- have a particular amino acid sequence that restricts bond formation.
- are easily denatured AND have a particular amino acid sequence that restricts bond formation.

Check the answer of this question online at QuizOver.com:

Question: [Generally the proteins of thermophiles Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-generally-the-proteins-of-thermophiles-madison-christian-fina?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-generally-the-proteins-of-thermophiles-madison-christian-fina?pdf=1505>

4.1.80. A hot tub (approx. 104 deg. F or 40 deg. C) would most likely contain

Author: Madison Christian

A hot tub (approx. 104 deg. F or 40 deg. C) would most likely contain

Please choose only one answer:

- psychrophiles.
- partiers.
- thermophiles.
- mesophiles.

Check the answer of this question online at QuizOver.com:

Question: [A hot tub approx. 104 deg. F or 40 deg. Madison Christian Final Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-a-hot-tub-approx-104-deg-f-or-40-deg-madison-christian-final?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-a-hot-tub-approx-104-deg-f-or-40-deg-madison-christian-final?pdf=1505>

4.1.81. The scientist that contributed most to the development of pure cult...

Author: Madison Christian

The scientist that contributed most to the development of pure culture techniques was

Please choose only one answer:

- Alexander Fleming.
- Louis Pasteur.
- Edward Jenner.
- Robert Koch.

Check the answer of this question online at QuizOver.com:

Question: [The scientist that contributed most to Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-scientist-that-contributed-most-to-madison-christian-fina?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-scientist-that-contributed-most-to-madison-christian-fina?pdf=1505>

4.1.82. Agar

Author: Madison Christian

Agar

Please choose only one answer:

- is a useful nutrient source for most bacteria.
- is a hydrolysate of proteins.
- stays liquid through the typical range of incubation temperatures.
- has chemical and physical properties that make it almost ideal for solidifying media.

Check the answer of this question online at QuizOver.com:

Question: [Agar Madison Christian Final Exam Practice for Microbiology Lecture](#)

Flashcards:

<http://www.quizover.com/flashcards/question-agar-madison-christian-final-exam-practice-for-microbiology-l?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-agar-madison-christian-final-exam-practice-for-microbiology-l?pdf=1505>

4.1.83. Organisms may derive energy from

Author: Madison Christian

Organisms may derive energy from

Please choose only one answer:

- sunlight.
- metabolizing chemical compounds.
- little tiny AAAAAAAAAA batteries.
- temperature gradients.
- sunlight AND metabolizing chemical compounds.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Organisms may derive energy from Madison Christian Final Exam Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-organisms-may-derive-energy-from-madison-christian-final-exam?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-organisms-may-derive-energy-from-madison-christian-final-exam?pdf=1505>

4.1.84. The enzymes that deal with toxic oxygen-containing molecules is/are

Author: Madison Christian

The enzymes that deal with toxic oxygen-containing molecules is/are

Please choose only one answer:

- glycolase.
- superoxide dismutase.
- catalase.
- hydrogen peroxidase.
- superoxide dismutase AND catalase.

Check the answer of this question online at QuizOver.com:

Question: [The enzymes that deal with toxic oxygen Madison Christian Final Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-enzymes-that-deal-with-toxic-oxygen-madison-christian-fin?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-enzymes-that-deal-with-toxic-oxygen-madison-christian-fin?pdf=1505>

4.1.85. You are in charge of water quality for your city's water treatment ...

Author: Madison Christian

You are in charge of water quality for your city's water treatment plant. Of the methods at your disposal, which will be the most efficient and cheapest method of determining the number of viable bacteria in the water coming out of your plant?

Please choose only one answer:

- Direct counts using a microscope and a counting chamber.
- Using a Coulter counter machine.
- Performing serial dilutions of your samples and doing spread plate counts.
- Using membrane filtration followed by placing the membrane in a growth medium for colony counts after incubation.
- Biochemical analysis of secondary metabolites in the water that are given off by bacteria.

Check the answer of this question online at QuizOver.com:

Question: [You are in charge of water quality for Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-you-are-in-charge-of-water-quality-for-madison-christian-fina?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-you-are-in-charge-of-water-quality-for-madison-christian-fina?pdf=1505>

4.1.86. Agar replaced gelatin as the gelling (solidifying) agent for media ...

Author: Madison Christian

Agar replaced gelatin as the gelling (solidifying) agent for media because

Please choose only one answer:

- agar is much cheaper.
- much fewer bacteria can break down agar than gelatin.
- agar is solid at body temperature.
- gelatin became unavailable during World War II.
- much fewer bacteria can break down agar than gelatin AND agar is solid at body temperature.

Check the answer of this question online at QuizOver.com:

Question: [Agar replaced gelatin as the gelling Madison Christian Final Exam](#)

Flashcards:

<http://www.quizover.com/flashcards/question-agar-replaced-gelatin-as-the-gelling-madison-christian-final?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-agar-replaced-gelatin-as-the-gelling-madison-christian-final?pdf=1505>

4.1.87. The speed of enzymatic reactions approximately doubles for each

Author: Madison Christian

The speed of enzymatic reactions approximately doubles for each

Please choose only one answer:

- 5° C rise in temperature.
- 10° C rise in temperature.
- 20° C rise in temperature.
- 30° C rise in temperature.

Check the answer of this question online at QuizOver.com:

Question: [The speed of enzymatic reactions approximately Madison Final Exam](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-speed-of-enzymatic-reactions-approximately-madison-final?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-speed-of-enzymatic-reactions-approximately-madison-final?pdf=1505>

4.1.88. The solidifying agent used most successfully in bacterial nutrient ...

Author: Madison Christian

The solidifying agent used most successfully in bacterial nutrient media is

Please choose only one answer:

- gelatin.
- peptone.
- agar.
- starch.

Check the answer of this question online at QuizOver.com:

Question: [The solidifying agent used most successfully Madison Final Exam Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-solidifying-agent-used-most-successfully-madison-final-ex?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-solidifying-agent-used-most-successfully-madison-final-ex?pdf=1505>

4.1.89. An organism called Bacillus fastidiosus

Author: Madison Christian

An organism called Bacillus fastidiosus

Please choose only one answer:

- might be expected to be very flexible as to growth requirements.
- might be expected to be very strict as to its growth requirements.
- would probably be grown on a chemically defined media.
- might be expected to have a rod shape.
- might be expected to be very strict as to its growth requirements, would probably be grown on a chemically defined media AND might be expected to have a rod shape.

Check the answer of this question online at QuizOver.com:

Question: [An organism called Bacillus fastidiosus Madison Christian Final Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-an-organism-called-bacillus-fastidiosus-madison-christian-fin?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-an-organism-called-bacillus-fastidiosus-madison-christian-fin?pdf=1505>

4.1.90. When doing experiments with bacteria

Author: Madison Christian

When doing experiments with bacteria

Please choose only one answer:

- it is usually not necessary to standardize which stage of growth is used.
- it is best to use colonies as all the bacteria in a colony are at the same stage of growth.
- it is best to use bacteria from the same stage of growth.
- the age of the bacteria is not important.

Check the answer of this question online at QuizOver.com:

Question: [When doing experiments with bacteria Madison Christian Final Exam](#)

Flashcards:

<http://www.quizover.com/flashcards/question-when-doing-experiments-with-bacteria-madison-christian-final?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-when-doing-experiments-with-bacteria-madison-christian-final?pdf=1505>

4.1.91. In nature, bacteria

Author: Madison Christian

In nature, bacteria

Please choose only one answer:

- often grow in close association with many other kinds of organisms.
- may remain in a prolonged exponential phase.
- frequently synthesize structures such as slime layers.
- may adhere to surfaces by means of pili and slime layers.
- All of the choices are correct.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [In nature bacteria Madison Christian Final Exam Practice for Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-in-nature-bacteria-madison-christian-final-exam-practice-for?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-in-nature-bacteria-madison-christian-final-exam-practice-for?pdf=1505>

4.1.92. A urine sample with more than 100,000 organisms is considered indic...

Author: Madison Christian

A urine sample with more than 100,000 organisms is considered indicative of infection. A urine sample containing 5,000 bacteria, with a generation time of 30 minutes, sits for 3 hours before finally being assayed. How many bacteria will then be present within the sample?

Please choose only one answer:

- 10,000
- 64,000
- 100,000
- 320,000

Check the answer of this question online at QuizOver.com:

Question: [A urine sample with more than 100 000 Madison Christian Final Exam](#)

Flashcards:

<http://www.quizover.com/flashcards/question-a-urine-sample-with-more-than-100-000-madison-christian-final?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-a-urine-sample-with-more-than-100-000-madison-christian-final?pdf=1505>

4.1.93. Organisms that use organic molecules as their source of carbon are ...

Author: Madison Christian

Organisms that use organic molecules as their source of carbon are called

Please choose only one answer:

- chemotrophs.
- organoheterotrophs.
- heterotrophs.
- autotrophs.

Check the answer of this question online at QuizOver.com:

Question: [Organisms that use organic molecules as Madison Christian Final Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-organisms-that-use-organic-molecules-as-madison-christian-fin?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-organisms-that-use-organic-molecules-as-madison-christian-fin?pdf=1505>

4.1.94. Various strains of E. coli

Author: Madison Christian

Various strains of E. coli

Please choose only one answer:

- may cause disease.
- may be harmless.
- are all exactly the same.
- are all very different from one another.
- may cause disease AND may be harmless.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Various strains of E. coli Madison Christian Final Exam Practice](#)

Flashcards:

<http://www.quizover.com/flashcards/question-various-strains-of-e-coli-madison-christian-final-exam-practi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-various-strains-of-e-coli-madison-christian-final-exam-practi?pdf=1505>

4.1.95. In higher organisms, successful mating can occur between members of...

Author: Madison Christian

In higher organisms, successful mating can occur between members of the same

Please choose only one answer:

- genus.
- species.
- class.
- order.

Check the answer of this question online at QuizOver.com:

Question: [In higher organisms successful mating can Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-in-higher-organisms-successful-mating-can-madison-christian-f?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-in-higher-organisms-successful-mating-can-madison-christian-f?pdf=1505>

4.1.96. E. coli 0157:H7

Author: Madison Christian

E. coli 0157:H7

Please choose only one answer:

- is Gram-positive.
- is a normal constituent of the intestinal tract.
- does not ferment sorbitol.
- produces a toxin.
- does not ferment sorbitol AND produces a toxin.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [E. coli 0157:H7 Madison Christian Final Exam Practice for Microbiology](#)

Flashcards:

<http://www.quizover.com/flashcards/question-e-coli-0157-h7-madison-christian-final-exam-practice-for-micr?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-e-coli-0157-h7-madison-christian-final-exam-practice-for-micr?pdf=1505>

4.1.97. Modern approaches to evolutionary taxonomy often involve

Author: Madison Christian

Modern approaches to evolutionary taxonomy often involve

Please choose only one answer:

- biochemical differences.
- comparison of DNA and RNA.
- protein similarities.
- lactose fermentation.

Check the answer of this question online at QuizOver.com:

Question: [Modern approaches to evolutionary taxonomy Madison Final Exam Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-modern-approaches-to-evolutionary-taxonomy-madison-final-exam?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-modern-approaches-to-evolutionary-taxonomy-madison-final-exam?pdf=1505>

4.1.98. Very often clinically relevant information may be obtained by exami...

Author: Madison Christian

Very often clinically relevant information may be obtained by examining

Please choose only one answer:

- a wet mount.
- the size and shape of the organism.
- the sequence of proteins.
- the transformation ability.
- a wet mount AND the size and shape of the organism.

Check the answer of this question online at QuizOver.com:

Question: [Very often clinically relevant information Madison Final Exam Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-very-often-clinically-relevant-information-madison-final-exam?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-very-often-clinically-relevant-information-madison-final-exam?pdf=1505>

4.1.99. Streptococcus pyogenes would be

Author: Madison Christian

Streptococcus pyogenes would be

Please choose only one answer:

- beta hemolytic and catalase negative.
- beta hemolytic and catalase positive.
- alpha hemolytic and catalase negative.
- alpha hemolytic and catalase positive.

Check the answer of this question online at QuizOver.com:

Question: [Streptococcus pyogenes would be Madison Christian Final Exam](#)

Flashcards:

<http://www.quizover.com/flashcards/question-streptococcus-pyogenes-would-be-madison-christian-final-exam?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-streptococcus-pyogenes-would-be-madison-christian-final-exam?pdf=1505>

4.1.100. DNA probes have been very useful in

Author: Madison Christian

DNA probes have been very useful in

Please choose only one answer:

- coding the DNA of organisms grown in vivo.
- identifying organisms in pure culture.
- detecting toxins.
- diagnosing diseases of protozoa.

Check the answer of this question online at QuizOver.com:

Question: [DNA probes have been very useful in Madison Christian Final Exam](#)

Flashcards:

<http://www.quizover.com/flashcards/question-dna-probes-have-been-very-useful-in-madison-christian-final-e?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-dna-probes-have-been-very-useful-in-madison-christian-final-e?pdf=1505>

4.1.101. Phenotypically identical bacteria

Author: Madison Christian

Phenotypically identical bacteria

Please choose only one answer:

- look the same.
- are genetically exactly the same.
- may be told apart by DNA sequence analysis.
- may not be told apart by any means.
- look the same AND may be told apart by DNA sequence analysis.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Phenotypically identical bacteria Madison Christian Final Exam Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-phenotypically-identical-bacteria-madison-christian-final-exa?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-phenotypically-identical-bacteria-madison-christian-final-exa?pdf=1505>

4.1.102. The name Lactococcus (Streptococcus) lactis

Author: Madison Christian

The name Lactococcus (Streptococcus) lactis

Please choose only one answer:

- indicates that the subgenus is Streptococcus.
- indicates that the family is Lactococcus.
- indicates that Streptococcus is the old genus name.
- indicates that Lactococcus is the old class name.

Check the answer of this question online at QuizOver.com:

Question: [The name Lactococcus Streptococcus lactis Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-name-lactococcus-streptococcus-lactis-madison-christian-f?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-name-lactococcus-streptococcus-lactis-madison-christian-f?pdf=1505>

4.1.103. In 1908 Orla-Jensen suggested that bacteria be grouped according to...

Author: Madison Christian

In 1908 Orla-Jensen suggested that bacteria be grouped according to their

Please choose only one answer:

- arrangement.
- morphology.
- physiology.
- Gram stain.

Check the answer of this question online at QuizOver.com:

Question: [In 1908 Orla-Jensen suggested that bacteria Madison Final Exam Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-in-1908-orla-jensen-suggested-that-bacteria-madison-final-exa?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-in-1908-orla-jensen-suggested-that-bacteria-madison-final-exa?pdf=1505>

4.1.104. Organisms that grow very slowly, are non-culturable, are present in...

Author: Madison Christian

Organisms that grow very slowly, are non-culturable, are present in very small numbers or are mixed with a number of other bacteria may still be identified using

Please choose only one answer:

- Southern blotting.
- replica plating.
- PCR.
- gas chromatography of fatty acids.

Check the answer of this question online at QuizOver.com:

Question: [Organisms that grow very slowly are non Madison Christian Final Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-organisms-that-grow-very-slowly-are-non-madison-christian-fin?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-organisms-that-grow-very-slowly-are-non-madison-christian-fin?pdf=1505>

4.1.105. Gram-positive encapsulated diplococci found in sputum is indicative of

Author: Madison Christian

Gram-positive encapsulated diplococci found in sputum is indicative of

Please choose only one answer:

- coli.
- Pseudomonas.
- Streptococcus pneumoniae.
- Neisseria gonorrhoea.

Check the answer of this question online at QuizOver.com:

Question: [Gram-positive encapsulated diplococci Madison Christian Final Exam](#)

Flashcards:

<http://www.quizover.com/flashcards/question-gram-positive-encapsulated-diplococci-madison-christian-final?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-gram-positive-encapsulated-diplococci-madison-christian-final?pdf=1505>

4.1.106. Woese

Author: Madison Christian

Woese

Please choose only one answer:

- was involved in determining rRNA sequences.
- proposed breaking prokaryotes into two groups.
- proposed breaking eukaryotes into Archaea and Bacteria.
- was involved in refining the Gram stain for classification purposes.
- was involved in determining rRNA sequences AND proposed breaking prokaryotes into two groups.

Check the answer of this question online at QuizOver.com:

Question: [Woese Madison Christian Final Exam Practice for Microbiology Lecture](#)

Flashcards:

<http://www.quizover.com/flashcards/question-woese-madison-christian-final-exam-practice-for-microbiology?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-woese-madison-christian-final-exam-practice-for-microbiology?pdf=1505>

4.1.107. APITM, EnterotubeTM and VitekTM are all

Author: Madison Christian

APITM, EnterotubeTM and VitekTM are all

Please choose only one answer:

- methods for extracting DNA from bacteria.
- used to measure gas production.
- commercially available methods used to identify bacteria.
- used to show the presence of bacteria in a sample.

Check the answer of this question online at QuizOver.com:

Question: [APITM EnterotubeTM and VitekTM are all Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-apitm-enterotubetm-and-vitektem-are-all-madison-christian-fina?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-apitm-enterotubetm-and-vitektem-are-all-madison-christian-fina?pdf=1505>

4.1.108. Phage typing

Author: Madison Christian

Phage typing

Please choose only one answer:

- is useful for determining eukaryotic cell types.
- is used to extract DNA from cells.
- is used to distinguish bacterial strains.
- is dependent on the type of eukaryotic cell.
- is used to distinguish bacterial strains AND is dependent on the type of eukaryotic cell.

Check the answer of this question online at QuizOver.com:

Question: [Phage typing Madison Christian Final Exam Practice for Microbiology](#)

Flashcards:

<http://www.quizover.com/flashcards/question-phage-typing-madison-christian-final-exam-practice-for-microb?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-phage-typing-madison-christian-final-exam-practice-for-microb?pdf=1505>

4.1.109. The three domain classification scheme uses

Author: Madison Christian

The three domain classification scheme uses

Please choose only one answer:

- order, phylum, class.
- plants, animals, bacteria.
- protista, prokaryotae, fungaea.
- Archaea, Bacteria, Eucarya.

Check the answer of this question online at QuizOver.com:

Question: [The three domain classification scheme Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-three-domain-classification-scheme-madison-christian-fina?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-three-domain-classification-scheme-madison-christian-fina?pdf=1505>

4.1.110. Mycobacterium tuberculosis is one of the few species of bacteria that

Author: Madison Christian

Mycobacterium tuberculosis is one of the few species of bacteria that

Please choose only one answer:

- are encapsulated.
- stain Gram-negative.
- are acid fast.
- stain Gram-positive.

Check the answer of this question online at QuizOver.com:

Question: [Mycobacterium tuberculosis is one of the Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-mycobacterium-tuberculosis-is-one-of-the-madison-christian-fi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-mycobacterium-tuberculosis-is-one-of-the-madison-christian-fi?pdf=1505>

4.1.111. The relatedness of organisms determined by counting common characte...

Author: Madison Christian

The relatedness of organisms determined by counting common characteristics is called

Please choose only one answer:

- evolutionary taxonomy.
- amino acid sequences.
- DNA sequences.
- numerical taxonomy.
- suggests the organisms are very closely related at the species level AND means the GC content is 45%.

Check the answer of this question online at QuizOver.com:

Question: [The relatedness of organisms determined Madison Christian Final Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-relatedness-of-organisms-determined-madison-christian-fin?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-relatedness-of-organisms-determined-madison-christian-fin?pdf=1505>

4.1.112. The basic taxonomic unit in the classification scheme of plants and...

Author: Madison Christian

The basic taxonomic unit in the classification scheme of plants and animals is

Please choose only one answer:

- kingdom.
- class.
- order.
- genus.
- species.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [The basic taxonomic unit in the classification Madison Final Exam](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-basic-taxonomic-unit-in-the-classification-madison-final?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-basic-taxonomic-unit-in-the-classification-madison-final?pdf=1505>

4.1.113. The ticks of a genetic clock are measured by the

Author: Madison Christian

The ticks of a genetic clock are measured by the

Please choose only one answer:

- number of random mutations.
- number of dead cells.
- amount of RNA.
- amount of DNA.

Check the answer of this question online at QuizOver.com:

Question: [The ticks of a genetic clock are measured Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-ticks-of-a-genetic-clock-are-measured-madison-christian-f?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-ticks-of-a-genetic-clock-are-measured-madison-christian-f?pdf=1505>

4.1.114. The more closely related two organisms are,

Author: Madison Christian

The more closely related two organisms are,

Please choose only one answer:

- the less they look alike.
- the more similar the nucleic acid sequence.
- the less similar the nucleic acid sequence.
- the more they are phenotypically similar.
- the more similar the nucleic acid sequence AND the more they are phenotypically similar.

Check the answer of this question online at QuizOver.com:

Question: [The more closely related two organisms Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-more-closely-related-two-organisms-madison-christian-fina?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-more-closely-related-two-organisms-madison-christian-fina?pdf=1505>

4.1.115. Fatty acid analysis

Author: Madison Christian

Fatty acid analysis

Please choose only one answer:

- can be used to identify Gram-negative bacteria.
- can be used to identify Gram-positive bacteria.
- uses gas chromatography to analyze fatty acid methyl esters.
- requires that cells be grown under standardized conditions.
- All of the above

Check the answer of this question online at QuizOver.com:

Question: [Fatty acid analysis Madison Christian Final Exam Practice for Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-fatty-acid-analysis-madison-christian-final-exam-practice-for?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-fatty-acid-analysis-madison-christian-final-exam-practice-for?pdf=1505>

4.1.116. Media that changes color as a result of the biochemical activity of...

Author: Madison Christian

Media that changes color as a result of the biochemical activity of growing bacteria

Please choose only one answer:

- usually contain a pH indicator in the media.
- usually contain blood.
- usually require the addition of various reagents before the color is evident.
- is due to a breakdown of a colorless reagent.

Check the answer of this question online at QuizOver.com:

Question: [Media that changes color as a result of Madison Christian Final Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-media-that-changes-color-as-a-result-of-madison-christian-fin?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-media-that-changes-color-as-a-result-of-madison-christian-fin?pdf=1505>

4.1.117. In E. coli O157:H7, the O157:H7 refers to the

Author: Madison Christian

In E. coli O157:H7, the O157:H7 refers to the

Please choose only one answer:

- specific type of DNA present.
- specific genus.
- general family.
- the specific LPS and flagella type present.

Check the answer of this question online at QuizOver.com:

Question: [In E. coli O157:H7 the O157:H7 refers to Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-in-e-coli-o157-h7-the-o157-h7-refers-to-madison-christian-fin?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-in-e-coli-o157-h7-the-o157-h7-refers-to-madison-christian-fin?pdf=1505>

4.1.118. Members of the family Enterobacteriaceae

Author: Madison Christian

Members of the family Enterobacteriaceae

Please choose only one answer:

- include E. coli, Enterobacter, Salmonella, and Shigella.
- include many medically relevant bacteria.
- primarily reside in the intestinal tract of humans and animals.
- are facultative anaerobes.
- All of the choices are correct.

Check the answer of this question online at QuizOver.com:

Question: [Members of the family Enterobacteriaceae Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-members-of-the-family-enterobacteriaceae-madison-christian-fi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-members-of-the-family-enterobacteriaceae-madison-christian-fi?pdf=1505>

4.1.119. Which of the following colonize the vagina during childbearing years?

Author: Madison Christian

Which of the following colonize the vagina during childbearing years?

Please choose only one answer:

- Streptococci
- Clostridium
- Lactobacilli
- Enterobacter
- Clostridium AND Lactobacilli

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Which of the following colonize the vagina Madison Final Exam Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-which-of-the-following-colonize-the-vagina-madison-final-exam?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-which-of-the-following-colonize-the-vagina-madison-final-exam?pdf=1505>

4.1.120. Endospores

Author: Madison Christian

Endospores

Please choose only one answer:

- are a form of reproduction.
- are a dormant form of a bacterium.
- are formed by members of medically relevant groups of bacteria.
- are involved in anaerobic respiration.
- are a dormant form of a bacterium AND are formed by members of medically relevant groups of bacteria.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Endospores Madison Christian Final Exam Practice for Microbiology](#)

Flashcards:

<http://www.quizover.com/flashcards/question-endospores-madison-christian-final-exam-practice-for-microbio?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-endospores-madison-christian-final-exam-practice-for-microbio?pdf=1505>

4.1.121. Rhizobium

Author: Madison Christian

Rhizobium

Please choose only one answer:

- fix nitrogen inside nodules on the roots of legumes.
- resemble fungi.
- produce antibiotics.
- produce a gall in plants.

Check the answer of this question online at QuizOver.com:

Question: [Rhizobium Madison Christian Final Exam Practice for Microbiology](#)

Flashcards:

<http://www.quizover.com/flashcards/question-rhizobium-madison-christian-final-exam-practice-for-microbiol?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-rhizobium-madison-christian-final-exam-practice-for-microbiol?pdf=1505>

4.1.122. Helicobacter pylori

Author: Madison Christian

Helicobacter pylori

Please choose only one answer:

- inhabit the stomach.
- inhabit squid ink sacs.
- cause crown gall in plants.
- have axonemes.

Check the answer of this question online at QuizOver.com:

Question: [Helicobacter pylori Madison Christian Final Exam Practice for Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-helicobacter-pylori-madison-christian-final-exam-practice-for?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-helicobacter-pylori-madison-christian-final-exam-practice-for?pdf=1505>

4.1.123. Sulfuric acid is

Author: Madison Christian

Sulfuric acid is

Please choose only one answer:

- involved in bioleaching.
- produced by unicellular sulfur-oxidizers.
- produced by Lactobacillus.
- a result of reduction of metal sulfides.
- involved in bioleaching AND produced by unicellular sulfur-oxidizers.

Check the answer of this question online at QuizOver.com:

Question: [Sulfuric acid is Madison Christian Final Exam Practice for](#)

Flashcards:

<http://www.quizover.com/flashcards/question-sulfuric-acid-is-madison-christian-final-exam-practice-for?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-sulfuric-acid-is-madison-christian-final-exam-practice-for?pdf=1505>

4.1.124. Sphaerotilus and Leptothrix are examples of

Author: Madison Christian

Sphaerotilus and Leptothrix are examples of

Please choose only one answer:

- purple sulfur bacteria.
- Enterobacteriaceae.
- sheathed bacteria.
- green nonsulfur bacteria.

Check the answer of this question online at QuizOver.com:

Question: [Sphaerotilus and Leptothrix are examples Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-sphaerotilus-and-leptothrix-are-examples-madison-christian-fi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-sphaerotilus-and-leptothrix-are-examples-madison-christian-fi?pdf=1505>

4.1.125. Relatively little is known about many obligate anaerobes. Why might...

Author: Madison Christian

Relatively little is known about many obligate anaerobes. Why might this be so?

Please choose only one answer:

- The obligate aerobes are far more numerous, and also far more interesting.
- It's much harder to provide the right atmospheric environment to cultivate obligate anaerobes, so it's been harder to study them.
- Only obligate aerobes cause disease, so we've had little reason to study obligate anaerobes.
- The majority of obligate anaerobes are very nutritionally fastidious, which has slowed their study.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Relatively little is known about many Madison Christian Final Exam](#)

Flashcards:

<http://www.quizover.com/flashcards/question-relatively-little-is-known-about-many-madison-christian-final?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-relatively-little-is-known-about-many-madison-christian-final?pdf=1505>

4.1.126. Azotobacter

Author: Madison Christian

Azotobacter

Please choose only one answer:

- forms endospores.
- forms cysts.
- fixes carbon dioxide.
- are used as an indicator of fecal pollution.

Check the answer of this question online at QuizOver.com:

Question: [Azotobacter Madison Christian Final Exam Practice for Microbiology](#)

Flashcards:

<http://www.quizover.com/flashcards/question-azotobacter-madison-christian-final-exam-practice-for-microbi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-azotobacter-madison-christian-final-exam-practice-for-microbi?pdf=1505>

4.1.127. Which of the following organisms is the causative agent of Hansen's...

Author: Madison Christian

Which of the following organisms is the causative agent of Hansen's disease (leprosy)?

Please choose only one answer:

- Pseudomonas aeruginosa
- Mycobacterium avium
- Mycobacterium leprae
- Mycobacterium smegmatis

Check the answer of this question online at QuizOver.com:

Question: [Which of the following organisms is the Madison Christian Final Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-which-of-the-following-organisms-is-the-madison-christian-fin?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-which-of-the-following-organisms-is-the-madison-christian-fin?pdf=1505>

4.1.128. Bacteria that may form endospores include

Author: Madison Christian

Bacteria that may form endospores include

Please choose only one answer:

- coli.
- Pseudomonas and Micrococcus.
- Clostridium and Bacillus.
- Enterococcus and Deinococcus.

Check the answer of this question online at QuizOver.com:

Question: [Bacteria that may form endospores include Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-bacteria-that-may-form-endospores-include-madison-christian-f?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-bacteria-that-may-form-endospores-include-madison-christian-f?pdf=1505>

4.1.129. A student complains that it makes no sense to worry about coliform ...

Author: Madison Christian

A student complains that it makes no sense to worry about coliform bacteria in water, since we naturally possess harmless coliforms in our intestines anyway. Why do regulatory agencies worry about coliform bacteria in water supplies, then?

Please choose only one answer:

- The coliforms in our intestines can sometimes turn harmful, causing intestinal infections. We need to constantly be on guard against this happening. Coliforms in water might add to this potential problem.
- Coliforms are indicator organisms. Their presence in water indicates fecal pollution, and therefore the possibility that fecal-borne pathogens are present.
- Regulatory agencies are worried that multiple types of coliforms in water might lead to greater antibiotic resistance in the bacterial populations. They try to keep them out of water to keep antibiotic resistance levels down.
- Regulatory agencies simply need something to do to justify their existence. There is no real danger from coliforms in water supplies.

Check the answer of this question online at QuizOver.com:

Question: [A student complains that it makes no sense Madison Final Exam Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-a-student-complains-that-it-makes-no-sense-madison-final-exam?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-a-student-complains-that-it-makes-no-sense-madison-final-exam?pdf=1505>

4.1.130. The purple sulfur and green sulfur bacteria

Author: Madison Christian

The purple sulfur and green sulfur bacteria

Please choose only one answer:

- both use hydrogen sulfide as a source of electrons.
- generate oxygen.
- preferentially use organic molecules as an electron source.
- both lack gas vesicles.

Check the answer of this question online at QuizOver.com:

Question: [The purple sulfur and green sulfur bacteria Madison Final Exam Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-purple-sulfur-and-green-sulfur-bacteria-madison-final-exa?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-purple-sulfur-and-green-sulfur-bacteria-madison-final-exa?pdf=1505>

4.1.131. Mycoplasma

Author: Madison Christian

Mycoplasma

Please choose only one answer:

- lack peptidoglycan.
- are the smallest free-living organisms.
- have sterols in their membranes.
- are killed by penicillin.
- lack peptidoglycan, are the smallest free-living organisms AND have sterols in their membranes.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Mycoplasma Madison Christian Final Exam Practice for Microbiology](#)

Flashcards:

<http://www.quizover.com/flashcards/question-mycoplasma-madison-christian-final-exam-practice-for-microbio?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-mycoplasma-madison-christian-final-exam-practice-for-microbio?pdf=1505>

4.1.132. Comparatively greater energy is released when

Author: Madison Christian

Comparatively greater energy is released when

Please choose only one answer:

- carbon dioxide is the final electron acceptor.
- hydrogen is the final electron acceptor.
- nitrate is the final electron acceptor.
- oxygen is the final electron acceptor.

Check the answer of this question online at QuizOver.com:

Question: [Comparatively greater energy is released Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-comparatively-greater-energy-is-released-madison-christian-fi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-comparatively-greater-energy-is-released-madison-christian-fi?pdf=1505>

4.1.133. Members of the Archaea typically thrive in conditions of excessive

Author: Madison Christian

Members of the Archaea typically thrive in conditions of excessive

Please choose only one answer:

- heat.
- acidity.
- alkalinity.
- salinity.
- All of the choices are correct.

Check the answer of this question online at QuizOver.com:

Question: [Members of the Archaea typically thrive Madison Christian Final Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-members-of-the-archaea-typically-thrive-madison-christian-fin?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-members-of-the-archaea-typically-thrive-madison-christian-fin?pdf=1505>

4.1.134. It has been estimated that 99% of the intestinal bacteria are

Author: Madison Christian

It has been estimated that 99% of the intestinal bacteria are

Please choose only one answer:

- facultative anaerobes.
- obligate aerobes.
- facultative aerobes.
- obligate anaerobes.

Check the answer of this question online at QuizOver.com:

Question: [It has been estimated that 99 of the Madison Christian Final Exam](#)

Flashcards:

<http://www.quizover.com/flashcards/question-it-has-been-estimated-that-99-of-the-madison-christian-final?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-it-has-been-estimated-that-99-of-the-madison-christian-final?pdf=1505>

4.1.135. The methanogens

Author: Madison Christian

The methanogens

Please choose only one answer:

- are part of the Archaea.
- oxidize hydrogen gas to produce methane.
- appear only in aerobic environments.
- use oxygen as a terminal electron acceptor.
- are part of the Archaea AND oxidize hydrogen gas to produce methane.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [The methanogens Madison Christian Final Exam Practice for Microbiology](#)

Flashcards:

<http://www.quizover.com/flashcards/the-methanogens-madison-christian-final-exam-practice-for-microbiology?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/the-methanogens-madison-christian-final-exam-practice-for-microbiology?pdf=1505>

4.1.136. Streptococcus pyogenes

Author: Madison Christian

Streptococcus pyogenes

Please choose only one answer:

- is alpha-hemolytic.
- is gamma-hemolytic.
- is beta-hemolytic.
- may form endospores.
- is alpha-hemolytic AND may form endospores.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Streptococcus pyogenes Madison Christian Final Exam Practice for](#)

Flashcards:

<http://www.quizover.com/flashcards/question-streptococcus-pyogenes-madison-christian-final-exam-practice?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-streptococcus-pyogenes-madison-christian-final-exam-practice?pdf=1505>

4.1.137. Archaea are typically found living in extreme environments. An exce...

Author: Madison Christian

Archaea are typically found living in extreme environments. An exception to this are the

Please choose only one answer:

- sulfur-oxidizing archaea.
- sulfur-reducing archaea.
- methanogens.
- sulfur-oxidizing archaea AND sulfur-reducing archaea.

Check the answer of this question online at QuizOver.com:

Question: [Archaea are typically found living in Madison Christian Final Exam](#)

Flashcards:

<http://www.quizover.com/flashcards/question-archaea-are-typically-found-living-in-madison-christian-final?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-archaea-are-typically-found-living-in-madison-christian-final?pdf=1505>

4.1.138. How do anoxygenic phototrophs benefit from possessing accessory pig...

Author: Madison Christian

How do anoxygenic phototrophs benefit from possessing accessory pigments that allow light to be harvested at deeper areas of a fluid environment?

Please choose only one answer:

- This allows even anaerobic microbes to conduct photosynthesis, as they can harvest light energy in the deeper areas where oxygen won't be present.
- The cells can utilize frequencies of light not typically utilized by the photosynthetic bacteria closer to the surface of the fluid.
- They don't have to compete with other cells that utilize oxygen in the upper levels for the scarce nutrients in the fluid environment.
- This allows even anaerobic microbes to conduct photosynthesis, as they can harvest light energy in the deeper areas where oxygen won't be present AND the cells can utilize frequencies of light not typically utilized by the photosynthetic bacteria closer to the surface of the fluid.
- This allows even anaerobic microbes to conduct photosynthesis, as they can harvest light energy in the deeper areas where oxygen won't be present AND they don't have to compete with other cells that utilize oxygen in the upper levels for the scarce nutrients in the fluid environment.

Check the answer of this question online at QuizOver.com:

Question: [How do anoxygenic phototrophs benefit from Madison Final Exam Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-how-do-anoxygenic-phototrophs-benefit-from-madison-final-exam?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-how-do-anoxygenic-phototrophs-benefit-from-madison-final-exam?pdf=1505>

4.1.139. Approximately 99% of the microbes in the intestines are obligate an...

Author: Madison Christian

Approximately 99% of the microbes in the intestines are obligate anaerobes. We have plenty of blood vessels that can bring oxygen to the tissues of the intestines. Why would there be obligate anaerobes within these areas?

Please choose only one answer:

- The bacteria in the intestines are protected from exposure to the oxygen in the tissues by the lining of the intestines.
- The bacteria consume all the oxygen in the tissue areas brought by the blood vessels, creating an anaerobic environment.
- While the blood vessels supply oxygen to the tissues of the intestines, the inner area where the bacteria reside is NOT supplied with blood/oxygen. Since it's deep within our bodies, there's no chance for oxygen to get into these inner areas of the intestinal tube, creating a highly anaerobic environment.
- The aerobic microbes are outcompeted for nutrients in these areas by the anaerobic microbes.

Check the answer of this question online at QuizOver.com:

Question: [Approximately 99 of the microbes in the Madison Christian Final Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-approximately-99-of-the-microbes-in-the-madison-christian-fin?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-approximately-99-of-the-microbes-in-the-madison-christian-fin?pdf=1505>

4.1.140. Lactic acid bacteria such as Lactococcus

Author: Madison Christian

Lactic acid bacteria such as Lactococcus

Please choose only one answer:

- produce catalase.
- are obligate fermenters.
- require anaerobic environments.
- use oxygen as a final electron acceptor.

Check the answer of this question online at QuizOver.com:

Question: [Lactic acid bacteria such as Lactococcus Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-lactic-acid-bacteria-such-as-lactococcus-madison-christian-fi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-lactic-acid-bacteria-such-as-lactococcus-madison-christian-fi?pdf=1505>

4.1.141. Purple sulfur bacteria and filamentous sulfur-oxidizers both

Author: Madison Christian

Purple sulfur bacteria and filamentous sulfur-oxidizers both

Please choose only one answer:

- accumulate sulfur as intracellular granules.
- fix nitrogen.
- produce oxygen from carbon dioxide.
- use gliding motility.

Check the answer of this question online at QuizOver.com:

Question: [Purple sulfur bacteria and filamentous Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-purple-sulfur-bacteria-and-filamentous-madison-christian-fina?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-purple-sulfur-bacteria-and-filamentous-madison-christian-fina?pdf=1505>

4.1.142. Diatoms are algae whose silicon dioxide-containing shells are usefu...

Author: Madison Christian

Diatoms are algae whose silicon dioxide-containing shells are useful economically as

Please choose only one answer:

- filters.
- fertilizers.
- stabilizers.
- thickeners.

Check the answer of this question online at QuizOver.com:

Question: [Diatoms are algae whose silicon dioxide Madison Christian Final Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-diatoms-are-algae-whose-silicon-dioxide-madison-christian-fin?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-diatoms-are-algae-whose-silicon-dioxide-madison-christian-fin?pdf=1505>

4.1.143. All fungi have _____ in their cell walls.

Author: Madison Christian

All fungi have _____ in their cell walls.

Please choose only one answer:

- cellulose
- pectin
- peptidoglycan
- chitin

Check the answer of this question online at QuizOver.com:

Question: [All fungi have in their cell walls. Madison Christian Final Exam](#)

Flashcards:

<http://www.quizover.com/flashcards/question-all-fungi-have-in-their-cell-walls-madison-christian-final-ex?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-all-fungi-have-in-their-cell-walls-madison-christian-final-ex?pdf=1505>

4.1.144. Single-celled eukaryotic organisms that lack chlorophyll are called

Author: Madison Christian

Single-celled eukaryotic organisms that lack chlorophyll are called

Please choose only one answer:

- Algae.
- Protozoa.
- Chlorophyta.
- Salmonella.

Check the answer of this question online at QuizOver.com:

Question: [Single-celled eukaryotic organisms that Madison Christian Final Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-single-celled-eukaryotic-organisms-that-madison-christian-fin?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-single-celled-eukaryotic-organisms-that-madison-christian-fin?pdf=1505>

4.1.145. Tapeworms

Author: Madison Christian

Tapeworms

Please choose only one answer:

- have a complicated digestive system.
- do not have a digestive system.
- may be transmitted by eating undercooked meat.
- have a larval stage known as a cercaria.
- do not have a digestive system AND may be transmitted by eating undercooked meat.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Tapeworms Madison Christian Final Exam Practice for Microbiology](#)

Flashcards:

<http://www.quizover.com/flashcards/question-tapeworms-madison-christian-final-exam-practice-for-microbiol?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-tapeworms-madison-christian-final-exam-practice-for-microbiol?pdf=1505>

4.1.146. Fleas

Author: Madison Christian

Fleas

Please choose only one answer:

- if ingested, may transmit a tapeworm to children.
- may transmit Yersinia pestis.
- may transmit Lyme disease.
- may transmit a toxin.
- if ingested, may transmit a tapeworm to children AND may transmit Yersinia pestis.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Fleas Madison Christian Final Exam Practice for Microbiology Lecture](#)

Flashcards:

<http://www.quizover.com/flashcards/question-fleas-madison-christian-final-exam-practice-for-microbiology?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-fleas-madison-christian-final-exam-practice-for-microbiology?pdf=1505>

4.1.147. Fungi capable of dimorphism grow either as

Author: Madison Christian

Fungi capable of dimorphism grow either as

Please choose only one answer:

- rhizoids or hyphae.
- yeast-like or mycelium.
- germ tubes or buds.
- spores or mushrooms.

Check the answer of this question online at QuizOver.com:

Question: [Fungi capable of dimorphism grow either Madison Christian Final Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-fungi-capable-of-dimorphism-grow-either-madison-christian-fin?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-fungi-capable-of-dimorphism-grow-either-madison-christian-fin?pdf=1505>

4.1.148. Paralytic shellfish poisoning occurs when humans eat shellfish that...

Author: Madison Christian

Paralytic shellfish poisoning occurs when humans eat shellfish that have fed on

Please choose only one answer:

- Gonyaulax spp.
- Salmonella spp.
- Gymnodium spp.
- coli.

Check the answer of this question online at QuizOver.com:

Question: [Paralytic shellfish poisoning occurs when Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-paralytic-shellfish-poisoning-occurs-when-madison-christian-f?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-paralytic-shellfish-poisoning-occurs-when-madison-christian-f?pdf=1505>

4.1.149. Are all fungi detrimental (bad) for other organisms?

Author: Madison Christian

Are all fungi detrimental (bad) for other organisms?

Please choose only one answer:

- Yes-think of molds that destroy plant crops, or fungal infections that cause athlete's foot. All fungi are bad for organisms they colonize.
- Yes-fungi feed directly on organic material (oftentimes killing it or feeding on it after the original organism has died). As such, they are always bad for other organisms.
- No-fungi are sometimes good, sometimes bad for other organisms. It really depends on which fungus you're talking about and the relationship it has with the other organism. Some fungi, for example, can form a symbiotic relationship with plant roots that increases their nutrient and water absorption. This is good.
- No-fungi are ALWAYS good when they interact with other organisms. There's never a downside or negative aspect to such interactions. Both sides always benefit from the relationship.

Check the answer of this question online at QuizOver.com:

Question: [Are all fungi detrimental bad for other Madison Christian Final Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-are-all-fungi-detrimental-bad-for-other-madison-christian-fin?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-are-all-fungi-detrimental-bad-for-other-madison-christian-fin?pdf=1505>

4.1.150. Algae are important environmentally as

Author: Madison Christian

Algae are important environmentally as

Please choose only one answer:

- major producers of carbon dioxide.
- major producers of oxygen.
- local flora.
- local contaminants.

Check the answer of this question online at QuizOver.com:

Question: [Algae are important environmentally as Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-algae-are-important-environmentally-as-madison-christian-fina?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-algae-are-important-environmentally-as-madison-christian-fina?pdf=1505>

4.1.151. Coccidioidomycosis is

Author: Madison Christian

Coccidioidomycosis is

Please choose only one answer:

- a fungal disease.
- a protozoal disease.
- caused by Coccidioides sp.
- caused by Candida sp.
- a fungal disease AND caused by Coccidioides sp.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Coccidioidomycosis is Madison Christian Final Exam Practice for Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-coccidioidomycosis-is-madison-christian-final-exam-practice-f?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-coccidioidomycosis-is-madison-christian-final-exam-practice-f?pdf=1505>

4.1.152. A tangle of fungal hyphae is generally known as a

Author: Madison Christian

A tangle of fungal hyphae is generally known as a

Please choose only one answer:

- bud.
- mycelium.
- germ tube.
- spore.

Check the answer of this question online at QuizOver.com:

Question: [A tangle of fungal hyphae is generally Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-a-tangle-of-fungal-hyphae-is-generally-madison-christian-fina?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-a-tangle-of-fungal-hyphae-is-generally-madison-christian-fina?pdf=1505>

4.1.153. Mycorrhizae

Author: Madison Christian

Mycorrhizae

Please choose only one answer:

- are vital for the survival of lichens.
- are vital for the survival of many plants.
- increase the absorptive ability of roots.
- are used in the production of wine, beer and bread.
- are vital for the survival of many plants AND increase the absorptive ability of roots.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Mycorrhizae Madison Christian Final Exam Practice for Microbiology](#)

Flashcards:

<http://www.quizover.com/flashcards/question-mycorrhizae-madison-christian-final-exam-practice-for-microbi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-mycorrhizae-madison-christian-final-exam-practice-for-microbi?pdf=1505>

4.1.154. One of the greatest causes of human deaths through time has been du...

Author: Madison Christian

One of the greatest causes of human deaths through time has been due to

Please choose only one answer:

- Giardia spp.
- Histoplasma spp.
- Trypanosoma spp.
- Plasmodium spp.

Check the answer of this question online at QuizOver.com:

Question: [One of the greatest causes of human deaths Madison Final Exam Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-one-of-the-greatest-causes-of-human-deaths-madison-final-exam?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-one-of-the-greatest-causes-of-human-deaths-madison-final-exam?pdf=1505>

4.1.155. Schizogony

Author: Madison Christian

Schizogony

Please choose only one answer:

- means multiple fissions.
- is performed by bacteria.
- is performed by protozoa.
- is a form of reproduction.
- means multiple fissions AND is performed by protozoa.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Schizogony Madison Christian Final Exam Practice for Microbiology](#)

Flashcards:

<http://www.quizover.com/flashcards/question-schizogony-madison-christian-final-exam-practice-for-microbio?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-schizogony-madison-christian-final-exam-practice-for-microbio?pdf=1505>

4.1.156. Deuteromycetes has been further classified using

Author: Madison Christian

Deuteromycetes has been further classified using

Please choose only one answer:

- DNA probes.
- rRNA analysis.
- Southern blotting.
- replica plating.

Check the answer of this question online at QuizOver.com:

Question: [Deuteromycetes has been further classified Madison Final Exam Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-deuteromycetes-has-been-further-classified-madison-final-exam?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-deuteromycetes-has-been-further-classified-madison-final-exam?pdf=1505>

4.1.157. The terms yeast, mold, and mushrooms refers to fungal

Author: Madison Christian

The terms yeast, mold, and mushrooms refers to fungal

Please choose only one answer:

- reproduction.
- morphology.
- nutrition.
- parasites.

Check the answer of this question online at QuizOver.com:

Question: [The terms yeast mold and mushrooms refers Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-terms-yeast-mold-and-mushrooms-refers-madison-christian-f?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-terms-yeast-mold-and-mushrooms-refers-madison-christian-f?pdf=1505>

4.1.158. Convergent evolution

Author: Madison Christian

Convergent evolution

Please choose only one answer:

- explains the morphological similarity yet major genetic differences found between slime molds and fungi.
- refers to two different organisms that develop similar characteristics in adaptation to similar environments.
- explains the structure of lichens.
- refers to the one organism dividing into two.
- explains the morphological similarity yet major genetic differences found between slime molds and fungi AND refers to two different organisms that develop similar characteristics in adaptation to similar environments.

Check the answer of this question online at QuizOver.com:

Question: [Convergent evolut Madison Christian Final Exam Practice for Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-convergent-evolut-madison-christian-final-exam-practice-for-q?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-convergent-evolut-madison-christian-final-exam-practice-for-q?pdf=1505>

4.1.159. Fungi are important because of their ability to

Author: Madison Christian

Fungi are important because of their ability to

Please choose only one answer:

- help many plants grow.
- cause disease in plants.
- make certain foods and beverages.
- spoil food.
- All of the above.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Fungi are important because of their Madison Christian Final Exam](#)

Flashcards:

<http://www.quizover.com/flashcards/question-fungi-are-important-because-of-their-madison-christian-final?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-fungi-are-important-because-of-their-madison-christian-final?pdf=1505>

4.1.160. Nematodes

Author: Madison Christian

Nematodes

Please choose only one answer:

- are roundworms.
- are found in the gastrointestinal tract or the blood.
- are carried by bacteria.
- have flat segmented bodies.
- are roundworms AND are found in the gastrointestinal tract or the blood.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Nematodes Madison Christian Final Exam Practice for Microbiology](#)

Flashcards:

<http://www.quizover.com/flashcards/question-nematodes-madison-christian-final-exam-practice-for-microbiol?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-nematodes-madison-christian-final-exam-practice-for-microbiol?pdf=1505>

4.1.161. Aflatoxins

Author: Madison Christian

Aflatoxins

Please choose only one answer:

- are produced by Aspergillus.
- are possible carcinogens.
- may be found in peanuts.
- are toxins.
- All of the choices are correct.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Aflatoxins Madison Christian Final Exam Practice for Microbiology](#)

Flashcards:

<http://www.quizover.com/flashcards/question-aflatoxins-madison-christian-final-exam-practice-for-microbio?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-aflatoxins-madison-christian-final-exam-practice-for-microbio?pdf=1505>

4.1.162. Plant pathology grew in importance as a field of study after it was...

Author: Madison Christian

Plant pathology grew in importance as a field of study after it was shown that the Irish potato blight was caused by

Please choose only one answer:

- bacteria.
- viruses.
- fungi.
- amoeboid protozoa.

Check the answer of this question online at QuizOver.com:

Question: [Plant pathology grew in importance as a Madison Christian Final Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-plant-pathology-grew-in-importance-as-a-madison-christian-fin?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-plant-pathology-grew-in-importance-as-a-madison-christian-fin?pdf=1505>

4.1.163. Gonyaulax

Author: Madison Christian

Gonyaulax

Please choose only one answer:

- produces brevetoxin.
- produces a non-protein neurotoxin.
- infects the nervous system of humans.
- is a dinoflagellate.
- produces a non-protein neurotoxin AND is a dinoflagellate.

Check the answer of this question online at QuizOver.com:

Question: [Gonyaulax Madison Christian Final Exam Practice for Microbiology](#)

Flashcards:

<http://www.quizover.com/flashcards/question-gonyaulax-madison-christian-final-exam-practice-for-microbiol?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-gonyaulax-madison-christian-final-exam-practice-for-microbiol?pdf=1505>

4.1.164. Haustoria

Author: Madison Christian

Haustoria

Please choose only one answer:

- are a form of parasitic protozoan.
- refers to the reproductive structure formed by slime molds.
- are specialized hyphae used by parasitic fungi.
- are the reproductive form of protozoans.

Check the answer of this question online at QuizOver.com:

Question: [Haustoria Madison Christian Final Exam Practice for Microbiology](#)

Flashcards:

<http://www.quizover.com/flashcards/question-haustoria-madison-christian-final-exam-practice-for-microbiol?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-haustoria-madison-christian-final-exam-practice-for-microbiol?pdf=1505>

4.1.165. Fungi are classified according to their

Author: Madison Christian

Fungi are classified according to their

Please choose only one answer:

- mode of locomotion
- morphology.
- mode of nutrition.
- method of sexual reproduction.

Check the answer of this question online at QuizOver.com:

Question: [Fungi are classified according to their Madison Christian Final Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-fungi-are-classified-according-to-their-madison-christian-fin?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-fungi-are-classified-according-to-their-madison-christian-fin?pdf=1505>

4.1.166. Fungi that are important for fermentation of fruits

Author: Madison Christian

Fungi that are important for fermentation of fruits

Please choose only one answer:

- are yeasts.
- are facultative anaerobes.
- grow well at acid pH.
- secrete enzymes that degrade organic molecules.
- All of the choices are correct.

Check the answer of this question online at QuizOver.com:

Question: [Fungi that are important for fermentation Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-fungi-that-are-important-for-fermentation-madison-christian-f?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-fungi-that-are-important-for-fermentation-madison-christian-f?pdf=1505>

4.1.167. Interferons, complement, lysozyme, and lactoferrin are all examples of

Author: Madison Christian

Interferons, complement, lysozyme, and lactoferrin are all examples of

Please choose only one answer:

- specific antimicrobial factors.
- immune enzymes.
- nonspecific antimicrobial factors.
- cytokines.

Check the answer of this question online at QuizOver.com:

Question: [Interferons complement lysozyme and Madison Christian Final Exam](#)

Flashcards:

<http://www.quizover.com/flashcards/question-interferons-complement-lysozyme-and-madison-christian-final-e?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-interferons-complement-lysozyme-and-madison-christian-final-e?pdf=1505>

4.1.168. Iron

Author: Madison Christian

Iron

Please choose only one answer:

- is required by microorganisms.
- binds to lactoferrin.
- is necessary for the functioning of some enzymes.
- All of the choices are correct.

Check the answer of this question online at QuizOver.com:

Question: [I Madison Christian Final Exam Practice for Microbiology Lecture](#)

Flashcards:

<http://www.quizover.com/flashcards/question-i-madison-christian-final-exam-practice-for-microbiology-lect?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-i-madison-christian-final-exam-practice-for-microbiology-lect?pdf=1505>

4.1.169. The complex resulting from complement activity that leads to cell l...

Author: Madison Christian

The complex resulting from complement activity that leads to cell lysis is the

Please choose only one answer:

- prostaglandin complex.
- leukotriene activating complex.
- membrane attack complex.
- histamine complex.

Check the answer of this question online at QuizOver.com:

Question: [The complex resulting from complement Madison Christian Final Exam](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-complex-resulting-from-complement-madison-christian-final?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-complex-resulting-from-complement-madison-christian-final?pdf=1505>

4.1.170. Fever

Author: Madison Christian

Fever

Please choose only one answer:

- enhances bacterial growth.
- inhibits bacterial growth.
- speeds up the body's reactions.
- triggers complement.
- inhibits bacterial growth AND speeds up the body's reactions.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Fever Madison Christian Final Exam Practice for Microbiology Lecture](#)

Flashcards:

<http://www.quizover.com/flashcards/question-fever-madison-christian-final-exam-practice-for-microbiology?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-fever-madison-christian-final-exam-practice-for-microbiology?pdf=1505>

4.1.171. Smoking impairs the ciliated cells of the middle portion of the res...

Author: Madison Christian

Smoking impairs the ciliated cells of the middle portion of the respiratory tract. Many analgesic drugs (painkillers) impair peristalsis (the churning motion of the digestive tract). The result of either of these activities leads to an increased risk of infection in their respective areas. Why?

Please choose only one answer:

- The actions of the cells in these areas help to propel pathogens out of the area, serving as a part of the physical barrier system. When they are impaired/slowed, bacteria and other pathogens have an easier time adhering to the tissues in the area and causing an infection.
- Ciliated cells also line the digestive tract, and these cells secrete strong natural antibacterial compounds. When they are impaired, bacteria can more easily infect these areas.
- Chemicals in cigarette smoke and the chemicals in painkillers impair our immune systems, making us generally more predisposed to infections (regardless of the tissue area).
- Chemicals in cigarette smoke and the chemicals in painkillers impair the ability of our immune system cells to move into areas that are infected. As such, they can't perform their job of eliminating microbes as well as they should and infections result more easily.

Check the answer of this question online at QuizOver.com:

Question: [Smoking impairs the ciliated cells of the Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-smoking-impairs-the-ciliated-cells-of-the-madison-christian-f?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-smoking-impairs-the-ciliated-cells-of-the-madison-christian-f?pdf=1505>

4.1.172. Pyrogens are

Author: Madison Christian

Pyrogens are

Please choose only one answer:

- fever-inducing substances.
- fever-inhibiting substances.
- phagocytosis-enhancing substances.
- complement activators.

Check the answer of this question online at QuizOver.com:

Question: [Pyrogens are Madison Christian Final Exam Practice for Microbiology](#)

Flashcards:

<http://www.quizover.com/flashcards/question-pyrogens-are-madison-christian-final-exam-practice-for-microb?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-pyrogens-are-madison-christian-final-exam-practice-for-microb?pdf=1505>

4.1.173. The leukocyte that contains histamine is the

Author: Madison Christian

The leukocyte that contains histamine is the

Please choose only one answer:

- lymphocyte.
- monocyte.
- macrophage.
- basophil.

Check the answer of this question online at QuizOver.com:

Question: [The leukocyte that contains histamine is Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-leukocyte-that-contains-histamine-is-madison-christian-fi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-leukocyte-that-contains-histamine-is-madison-christian-fi?pdf=1505>

4.1.174. Skin and mucous membranes are mostly involved in

Author: Madison Christian

Skin and mucous membranes are mostly involved in

Please choose only one answer:

- adaptive immunity.
- autoimmunity.
- irregular immunity.
- innate immunity.

Check the answer of this question online at QuizOver.com:

Question: [Skin and mucous membranes are mostly Madison Christian Final Exam](#)

Flashcards:

<http://www.quizover.com/flashcards/question-skin-and-mucous-membranes-are-mostly-madison-christian-final?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-skin-and-mucous-membranes-are-mostly-madison-christian-final?pdf=1505>

4.1.175. Which is not involved in adaptive immunity?

Author: Madison Christian

Which is not involved in adaptive immunity?

Please choose only one answer:

- antibody
- T cell
- B cell
- tear flow

Check the answer of this question online at QuizOver.com:

Question: [Which is not involved in adaptive immunity Madison Final Exam Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-which-is-not-involved-in-adaptive-immunity-madison-final-exam?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-which-is-not-involved-in-adaptive-immunity-madison-final-exam?pdf=1505>

4.1.176. The leukocyte responsible for adaptive immunity is the

Author: Madison Christian

The leukocyte responsible for adaptive immunity is the

Please choose only one answer:

- lymphocyte.
- monocyte.
- eosinophil.
- neutrophil.

Check the answer of this question online at QuizOver.com:

Question: [The leukocyte responsible for adaptive Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-leukocyte-responsible-for-adaptive-madison-christian-fina?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-leukocyte-responsible-for-adaptive-madison-christian-fina?pdf=1505>

4.1.177. Which of the following cytokines is most antiviral in its action?

Author: Madison Christian

Which of the following cytokines is most antiviral in its action?

Please choose only one answer:

- interleukin-1
- interleukin-2
- interferon
- lysozyme

Check the answer of this question online at QuizOver.com:

Question: [Which of the following cytokines is most Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-which-of-the-following-cytokines-is-most-madison-christian-fi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-which-of-the-following-cytokines-is-most-madison-christian-fi?pdf=1505>

4.1.178. All blood cells originate from the

Author: Madison Christian

All blood cells originate from the

Please choose only one answer:

- erythrocyte.
- leukocytic stem cell.
- eosinophilic stem cell.
- hematopoietic stem cell.

Check the answer of this question online at QuizOver.com:

Question: [All blood cells originate from the Madison Christian Final Exam Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-all-blood-cells-originate-from-the-madison-christian-final-ex?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-all-blood-cells-originate-from-the-madison-christian-final-ex?pdf=1505>

4.1.179. In humans, the stem cells from which all blood cells arise are foun...

Author: Madison Christian

In humans, the stem cells from which all blood cells arise are found in the

Please choose only one answer:

- peripheral circulation.
- lymphatic vessels.
- lymph nodes.
- bone marrow.

Check the answer of this question online at QuizOver.com:

Question: [In humans the stem cells from which all Madison Christian Final Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-in-humans-the-stem-cells-from-which-all-madison-christian-fin?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-in-humans-the-stem-cells-from-which-all-madison-christian-fin?pdf=1505>

4.1.180. One of the strongest indications of infectious disease is

Author: Madison Christian

One of the strongest indications of infectious disease is

Please choose only one answer:

- a rash.
- pustules.
- vesicles.
- fever.

Check the answer of this question online at QuizOver.com:

Question: [One of the strongest indications of Madison Christian Final Exam](#)

Flashcards:

<http://www.quizover.com/flashcards/question-one-of-the-strongest-indications-of-madison-christian-final-e?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-one-of-the-strongest-indications-of-madison-christian-final-e?pdf=1505>

4.1.181. The cells primarily involved in all immune responses are the

Author: Madison Christian

The cells primarily involved in all immune responses are the

Please choose only one answer:

- erythrocytes.
- platelets.
- osteocytes.
- leukocytes.

Check the answer of this question online at QuizOver.com:

Question: [The cells primarily involved in all immune Madison Final Exam Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-cells-primarily-involved-in-all-immune-madison-final-exam?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-cells-primarily-involved-in-all-immune-madison-final-exam?pdf=1505>

4.1.182. The four cardinal signs of inflammation are:

Author: Madison Christian

The four cardinal signs of inflammation are:

Please choose only one answer:

- flare, wheals, fever, cough
- rash, pus, heat, rubor
- heat, pain, vesicles, fever
- redness, heat, swelling, pain

Check the answer of this question online at QuizOver.com:

Question: [The four cardinal signs of inflammation Madison Christian Final Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-four-cardinal-signs-of-inflammation-madison-christian-fin?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-four-cardinal-signs-of-inflammation-madison-christian-fin?pdf=1505>

4.1.183. Which of the following statements about interferon is incorrect?

Author: Madison Christian

Which of the following statements about interferon is incorrect?

Please choose only one answer:

- It only works on a few specific types of virus.
- It makes cells resistant to viral infection.
- It is a species specific molecule.
- It does not directly inactivate viruses.

Check the answer of this question online at QuizOver.com:

Question: [Which of the following statements about Madison Christian Final Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-which-of-the-following-statements-about-madison-christian-fin?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-which-of-the-following-statements-about-madison-christian-fin?pdf=1505>

4.1.184. Toll-like receptors

Author: Madison Christian

Toll-like receptors

Please choose only one answer:

- are cytokines.
- each recognize a specific "danger" molecule.
- transmit a message to the cell's nucleus.
- are part of adaptive immunity.
- each recognize a specific "danger" molecule AND transmit a message to the cell's nucleus.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Toll-like receptors Madison Christian Final Exam Practice for Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-toll-like-receptors-madison-christian-final-exam-practice-for?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-toll-like-receptors-madison-christian-final-exam-practice-for?pdf=1505>

4.1.185. In which organism were phagocytes first reported?

Author: Madison Christian

In which organism were phagocytes first reported?

Please choose only one answer:

- bacteria
- amoeba
- red blood cells
- starfish larvae

Check the answer of this question online at QuizOver.com:

Question: [In which organism were phagocytes first Madison Christian Final Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-in-which-organism-were-phagocytes-first-madison-christian-fin?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-in-which-organism-were-phagocytes-first-madison-christian-fin?pdf=1505>

4.1.186. Factors that work generically against any foreign substance enterin...

Author: Madison Christian

Factors that work generically against any foreign substance entering the host are described as

Please choose only one answer:

- innate immunity.
- specific immunity.
- irregular immunity.
- immune metabolism.

Check the answer of this question online at QuizOver.com:

Question: [Factors that work generically against any Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-factors-that-work-generically-against-any-madison-christian-f?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-factors-that-work-generically-against-any-madison-christian-f?pdf=1505>

4.1.187. Following digestion of a microorganism by phagocytes, the debris is...

Author: Madison Christian

Following digestion of a microorganism by phagocytes, the debris is excreted by

Please choose only one answer:

- ingestion.
- exocytosis.
- extrusion.
- budding.

Check the answer of this question online at QuizOver.com:

Question: [Following digestion of a microorganism by Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-following-digestion-of-a-microorganism-by-madison-christian-f?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-following-digestion-of-a-microorganism-by-madison-christian-f?pdf=1505>

4.1.188. The key molecule upon which all complement pathways converge is

Author: Madison Christian

The key molecule upon which all complement pathways converge is

Please choose only one answer:

- C1.
- C2.
- C3.
- C6.

Check the answer of this question online at QuizOver.com:

Question: [The key molecule upon which all complement Madison Final Exam Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-key-molecule-upon-which-all-complement-madison-final-exam?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-key-molecule-upon-which-all-complement-madison-final-exam?pdf=1505>

4.1.189. A group of interacting serum proteins that provide a nonspecific de...

Author: Madison Christian

A group of interacting serum proteins that provide a nonspecific defense mechanism is

Please choose only one answer:

- complement.
- interferon.
- glycoprotein.
- lysozyme.

Check the answer of this question online at QuizOver.com:

Question: [A group of interacting serum proteins that Madison Final Exam Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-a-group-of-interacting-serum-proteins-that-madison-final-exam?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-a-group-of-interacting-serum-proteins-that-madison-final-exam?pdf=1505>

4.1.190. The low molecular weight protein produced by animal cells in respon...

Author: Madison Christian

The low molecular weight protein produced by animal cells in response to viral infections is

Please choose only one answer:

- complement.
- lysozyme.
- histamine.
- interferon.

Check the answer of this question online at QuizOver.com:

Question: [The low molecular weight protein produced Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-low-molecular-weight-protein-produced-madison-christian-f?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-low-molecular-weight-protein-produced-madison-christian-f?pdf=1505>

4.1.191. The immunoglobulin that is important in hypersensitivity reactions is

Author: Madison Christian

The immunoglobulin that is important in hypersensitivity reactions is

Please choose only one answer:

- IgA.
- IgD.
- IgG.
- IgE.

Check the answer of this question online at QuizOver.com:

Question: [The immunoglobulin that is important in Madison Christian Final Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-immunoglobulin-that-is-important-in-madison-christian-fin?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-immunoglobulin-that-is-important-in-madison-christian-fin?pdf=1505>

4.1.192. Generally antigenic molecules usually have a molecular weight great...

Author: Madison Christian

Generally antigenic molecules usually have a molecular weight greater than

Please choose only one answer:

- 10,000 Daltons.
- 100,000 Daltons.
- glucose.
- most polysaccharides.

Check the answer of this question online at QuizOver.com:

Question: [Generally antigenic molecules usually have Madison Final Exam Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-generally-antigenic-molecules-usually-have-madison-final-exam?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-generally-antigenic-molecules-usually-have-madison-final-exam?pdf=1505>

4.1.193. In opsonization with IgG, why would it be important that IgG react ...

Author: Madison Christian

In opsonization with IgG, why would it be important that IgG react with the antigen BEFORE a phagocytic cell recognizes the antibody molecule?

Please choose only one answer:

- If the IgG bound to the phagocyte BEFORE opsonization, it would most likely be ingested by the phagocyte before it could bind to a pathogen (it would be 'naked,' so to speak).
- Binding of IgG by phagocytes would block the antigen binding sites on the IgG molecules, preventing them from binding to the microbes.
- Binding of IgG by phagocytes changes their conformation-and by changing their protein conformation, their antigen binding sites are changed and they can no longer recognize their specific antigenic epitopes.
- Binding of antibody by phagocytes results in immediate release of protein-destroying enzymes to the outside of the cell. Since antibodies are proteins, they would be destroyed by these enzymes (and would then be unable to bind to their specific antigenic epitopes).

Check the answer of this question online at QuizOver.com:

Question: [In opsonization with IgG why would it be Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-in-opsonization-with-igg-why-would-it-be-madison-christian-fi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-in-opsonization-with-igg-why-would-it-be-madison-christian-fi?pdf=1505>

4.1.194. It would be useful if antigens were delivered directly to

Author: Madison Christian

It would be useful if antigens were delivered directly to

Please choose only one answer:

- Peyer's patches.
- W Cells.
- M cells.
- red blood cells.
- Peyer's patches AND M cells.

Check the answer of this question online at QuizOver.com:

Question: [It would be useful if antigens were Madison Christian Final Exam](#)

Flashcards:

<http://www.quizover.com/flashcards/question-it-would-be-useful-if-antigens-were-madison-christian-final-e?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-it-would-be-useful-if-antigens-were-madison-christian-final-e?pdf=1505>

4.1.195. Ag-Ab binding may result in

Author: Madison Christian

Ag-Ab binding may result in

Please choose only one answer:

- neutralization.
- immobilization.
- agglutination.
- opsonization.
- All of the choices are correct.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Ag-Ab binding may result in Madison Christian Final Exam Practice](#)

Flashcards:

<http://www.quizover.com/flashcards/question-ag-ab-binding-may-result-in-madison-christian-final-exam-prac?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-ag-ab-binding-may-result-in-madison-christian-final-exam-prac?pdf=1505>

4.1.196. Antigens interact with antibodies at

Author: Madison Christian

Antigens interact with antibodies at

Please choose only one answer:

- the outer end of each arm of the Y.
- the junction of heavy and light chains.
- different regions depending on the class of antibody.
- the bottom stem of the heavy chain of the Y.

Check the answer of this question online at QuizOver.com:

Question: [Antigens interact with antibodies at Madison Christian Final Exam](#)

Flashcards:

<http://www.quizover.com/flashcards/question-antigens-interact-with-antibodies-at-madison-christian-final?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-antigens-interact-with-antibodies-at-madison-christian-final?pdf=1505>

4.1.197. The Fc region on IgG

Author: Madison Christian

The Fc region on IgG

Please choose only one answer:

- interacts with complement.
- attaches to receptors on interleukin-1.
- reacts with and coats the antigen.
- contains a variable region.
- interacts with complement AND attaches to receptors on interleukin-1.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [The Fc region on IgG Madison Christian Final Exam Practice for Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-fc-region-on-igg-madison-christian-final-exam-practice-fo?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-fc-region-on-igg-madison-christian-final-exam-practice-fo?pdf=1505>

4.1.198. Why would a person who has their tonsils removed be more susceptibl...

Author: Madison Christian

Why would a person who has their tonsils removed be more susceptible to certain types of infections of the throat and respiratory tract?

Please choose only one answer:

- Tonsils produce high levels of lactoferrin, a strong natural antibacterial compound.
- Tonsils produce large amounts of interferons, natural antiviral compounds.
- Tonsils are secondary lymphoid organs-they help to provide a constant response to the microbes in the oral cavity, helping to keep them in check and preventing them from spreading to other areas.
- Tonsils are the location where T cells develop and mature. Without them, a person won't have T cells, and will be more likely to suffer from infections that would normally be eliminated by such cells.

Check the answer of this question online at QuizOver.com:

Question: [Why would a person who has their tonsils Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-why-would-a-person-who-has-their-tonsils-madison-christian-fi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-why-would-a-person-who-has-their-tonsils-madison-christian-fi?pdf=1505>

4.1.199. Would a denatured antigen be expected to have the same epitopes as ...

Author: Madison Christian

Would a denatured antigen be expected to have the same epitopes as its native (non-denatured) counterpart? Why?

Please choose only one answer:

- Yes-epitopes are just a sequence of amino acids in a row, so they do not change regardless of 3D shape of the protein molecule they lie within.
- No-ALL epitopes are dependent on being in the proper original 3D conformation in the protein they arise within. Denaturing them would destroy them by destroying that conformation.
- Yes AND No-SOME epitopes are dependent on 3D conformation (conformational epitopes), while some simply depend on the primary order of amino acids (linear epitopes). So, really, it depends on the particular epitope.
- Yes-all proteins must be broken down into individual epitopes for presentation to B and T cells on MHC molecules, so each antigen protein MUST be denatured to yield ANY epitopes.

Check the answer of this question online at QuizOver.com:

Question: [Would a denatured antigen be expected to Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-would-a-denatured-antigen-be-expected-to-madison-christian-fi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-would-a-denatured-antigen-be-expected-to-madison-christian-fi?pdf=1505>

4.1.200. The peptides presented by MHC class II peptide molecules are

Author: Madison Christian

The peptides presented by MHC class II peptide molecules are

Please choose only one answer:

- from plasma cells.
- exogenous antigens.
- endogenous antigens.
- from T helper cells.

Check the answer of this question online at QuizOver.com:

Question: [The peptides presented by MHC class II Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-peptides-presented-by-mhc-class-ii-madison-christian-fina?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-peptides-presented-by-mhc-class-ii-madison-christian-fina?pdf=1505>

4.1.201. There are _____ classes of antibody.

Author: Madison Christian

There are _____ classes of antibody.

Please choose only one answer:

- 1
- 3
- 5
- 7

Check the answer of this question online at QuizOver.com:

Question: [There are classes of antibody. Madison Christian Final Exam Practice](#)

Flashcards:

<http://www.quizover.com/flashcards/question-there-are-classes-of-antibody-madison-christian-final-exam-pr?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-there-are-classes-of-antibody-madison-christian-final-exam-pr?pdf=1505>

4.1.202. The stimulation of B cells to divide and mature is provided by

Author: Madison Christian

The stimulation of B cells to divide and mature is provided by

Please choose only one answer:

- T helper cells.
- macrophages.
- T cytotoxic cells.
- plasma cells.

Check the answer of this question online at QuizOver.com:

Question: [The stimulation of B cells to divide and Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-stimulation-of-b-cells-to-divide-and-madison-christian-fi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-stimulation-of-b-cells-to-divide-and-madison-christian-fi?pdf=1505>

4.1.203. Which of the following do not induce a strong immune response?

Author: Madison Christian

Which of the following do not induce a strong immune response?

Please choose only one answer:

- lipids
- proteins
- polysaccharides
- nucleic acids
- lipids AND nucleic acids

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Which of the following do not induce a Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-which-of-the-following-do-not-induce-a-madison-christian-fina?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-which-of-the-following-do-not-induce-a-madison-christian-fina?pdf=1505>

4.1.204. According to the clonal selection theory

Author: Madison Christian

According to the clonal selection theory

Please choose only one answer:

- antibodies are modified, at the time of antigen exposure, to specifically react with the antigen.
- self-reactive T cells are killed in the thymus.
- B cells producing autoantibodies are eliminated in the thymus.
- each B cell is already programmed to produce a specific antibody.
- self-reactive T cells are killed in the thymus AND B cells producing autoantibodies are eliminated in the thymus.

Check the answer of this question online at QuizOver.com:

Question: [According to the clonal selection theory Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-according-to-the-clonal-selection-theory-madison-christian-fi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-according-to-the-clonal-selection-theory-madison-christian-fi?pdf=1505>

4.1.205. Antigens may be processed for presentation by

Author: Madison Christian

Antigens may be processed for presentation by

Please choose only one answer:

- macrophages.
- dendritic cells.
- erythrocytes.
- T cytotoxic cells.
- macrophages AND dendritic cells.

Check the answer of this question online at QuizOver.com:

Question: [Antigens may be processed for presentation Madison Final Exam Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-antigens-may-be-processed-for-presentation-madison-final-exam?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-antigens-may-be-processed-for-presentation-madison-final-exam?pdf=1505>

4.1.206. A terrorist mad scientist develops a new blood-borne virus that wil...

Author: Madison Christian

A terrorist mad scientist develops a new blood-borne virus that will completely shut down presentation of viral epitopes on MHC molecules in the cells it infects. He produces an internet video describing it and how it will be indestructible by CD8+ cytotoxic T-cells and will kill millions (if not billions) of people. The medical community quickly denounces and discredits his plan as impossible, and the whole thing is quickly forgotten-why?

Please choose only one answer:

- CD8+ T-cells are not the cells that are responsible for killing virally-infected cells. The terrorist mad scientist is a misinformed idiot.
- While CD8+ T-cells ARE important for eliminating a viral infection, they are not the ONLY things that are capable of doing so. Natural Killer cells can kill virally-infected cells that have shut down MHC antigen presentation, and interferons can assist in clearing virally-infected cells.
- A blood-borne virus would not be capable of rapidly infecting millions of people, due to its difficult mode of transmission.
- B-cells would be primed right away to produce complement proteins to destroy the virus. This would prevent cells from being infected with it in the first place. His plot would be foiled.
- While CD8+ T-cells ARE important for eliminating a viral infection, they are not the ONLY things that are capable of doing so. Natural Killer cells can kill virally-infected cells that have shut down MHC antigen presentation, and interferons can assist in clearing virally-infected cells AND a blood-borne virus would not be capable of rapidly infecting millions of people, due to its difficult mode of transmission.

Check the answer of this question online at QuizOver.com:

Question: [A terrorist mad scientist develops a new Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-a-terrorist-mad-scientist-develops-a-new-madison-christian-fi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-a-terrorist-mad-scientist-develops-a-new-madison-christian-fi?pdf=1505>

4.1.207. "Clonal selection" and "clonal expansion"

Author: Madison Christian

"Clonal selection" and "clonal expansion"

Please choose only one answer:

- implies that each individual lymphocyte produces a single antibody.
- describes how the adaptive immune system can produce millions of different antibodies.
- depends on an antibody recognizing a specific epitope.
- are based on random processes.
- All of the above

Check the answer of this question online at QuizOver.com:

Question: [Clonal selection and clonal expans Madison Christian Final Exam Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-clonal-selection-and-clonal-expans-madison-christian-final-ex?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-clonal-selection-and-clonal-expans-madison-christian-final-ex?pdf=1505>

4.1.208. The function of the secretory component of the IgA molecule is

Author: Madison Christian

The function of the secretory component of the IgA molecule is

Please choose only one answer:

- to protect IgA from being destroyed by proteolytic enzymes.
- to coat the antigen.
- opsonization.
- to fix IgA to the antigen.

Check the answer of this question online at QuizOver.com:

Question: [The function of the secretory component Madison Christian Final Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-function-of-the-secretory-component-madison-christian-fin?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-function-of-the-secretory-component-madison-christian-fin?pdf=1505>

4.1.209. Memory cells may take the form of

Author: Madison Christian

Memory cells may take the form of

Please choose only one answer:

- B cells.
- T cytotoxic cells.
- T helper cells.
- All of the choices are correct.

Check the answer of this question online at QuizOver.com:

Question: [Memory cells may take the form Madison Christian Final Exam Practice](#)

Flashcards:

<http://www.quizover.com/flashcards/question-memory-cells-may-take-the-form-madison-christian-final-exam-p?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-memory-cells-may-take-the-form-madison-christian-final-exam-p?pdf=1505>

4.1.210. How long after initiation of a primary response do significant amou...

Author: Madison Christian

How long after initiation of a primary response do significant amounts of antibody appear in the blood?

Please choose only one answer:

- one day
- 10-14 days
- 4 weeks
- 6 months

Check the answer of this question online at QuizOver.com:

Question: [How long after initiation of a primary Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-how-long-after-initiation-of-a-primary-madison-christian-fina?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-how-long-after-initiation-of-a-primary-madison-christian-fina?pdf=1505>

4.1.211. CD4 cells are often

Author: Madison Christian

CD4 cells are often

Please choose only one answer:

- T helper cells.
- T suppresser cells.
- T cytotoxic cells.
- T hypersensitivity cells.

Check the answer of this question online at QuizOver.com:

Question: [CD4 cells are often Madison Christian Final Exam Practice for Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-cd4-cells-are-often-madison-christian-final-exam-practice-for?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-cd4-cells-are-often-madison-christian-final-exam-practice-for?pdf=1505>

4.1.212. CD4 cells are often

Author: Madison Christian

CD4 cells are often

Please choose only one answer:

- T helper cells.
- T suppresser cells.
- T cytotoxic cells.
- T hypersensitivity cells.

Check the answer of this question online at QuizOver.com:

Question: [CD4 cells are often Madison Christian Final Exam Practice for Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-cd4-cells-are-often-madison-christian-final-exam-prac-0618219?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-cd4-cells-are-often-madison-christian-final-exam-prac-0618219?pdf=1505>

4.1.213. The immunoglobulin monomer consists of

Author: Madison Christian

The immunoglobulin monomer consists of

Please choose only one answer:

- 4 large chains.
- 2 heavy and 2 light chains.
- 5 light chains.
- 3 heavy and 3 light chains.

Check the answer of this question online at QuizOver.com:

Question: [The immunoglobulin monomer consists Madison Christian Final Exam](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-immunoglobulin-monomer-consists-madison-christian-final-e?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-immunoglobulin-monomer-consists-madison-christian-final-e?pdf=1505>

4.1.214. Only antigen-presenting cells

Author: Madison Christian

Only antigen-presenting cells

Please choose only one answer:

- produce antibodies.
- activate cytotoxic T cells.
- produce MHC class I molecules.
- produce MHC class II molecules.

Check the answer of this question online at QuizOver.com:

Question: [Only antigen-presenting cells Madison Christian Final Exam Practice](#)

Flashcards:

<http://www.quizover.com/flashcards/question-only-antigen-presenting-cells-madison-christian-final-exam-pr?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-only-antigen-presenting-cells-madison-christian-final-exam-pr?pdf=1505>

4.1.215. A physician is seeking ways to increase the fine-tuning of antibody...

Author: Madison Christian

A physician is seeking ways to increase the fine-tuning of antibody immune responses that occurs naturally during affinity maturation. The goal is to create 'super antibodies' with intensely high affinity for antigens. She decides to use a drug that can be injected into lymph nodes that will be highly mutagenic specifically to B-cells that are undergoing activation. Is this a good idea? Why or why not?

Please choose only one answer:

- Introducing a highly mutagenic drug into our systems to boost immunity? Are you nuts? This is going to cause cancer!
- It WILL work, and work well. B-cells naturally have a high degree of mutation in their hypervariable region DNA as they undergo activation, and this is what leads to the possibility of affinity maturation. Boosting that activity will dramatically increase the likelihood of that process.
- It won't work. Affinity maturation is a random mutation process, followed by selection of B cells with higher affinity for the antigen in question. It doesn't matter if you increase the NUMBER of mutations-they still need to be screened for affinity to the antigen, and you can only achieve a certain level of affinity. Beyond that, and any mutations in antibody genes are just 'extra' changes without any real effect.
- The delivery method makes this impractical. It *might* work, but there are many lymph nodes around the body. During an infection, they would ALL be filled with B cells undergoing the process of affinity maturation. How would you deliver the drug to all the lymph nodes in every area of the body?

Check the answer of this question online at QuizOver.com:

Question: [A physician is seeking ways to increase Madison Christian Final Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-a-physician-is-seeking-ways-to-increase-madison-christian-fin?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-a-physician-is-seeking-ways-to-increase-madison-christian-fin?pdf=1505>

4.1.216. Disease(s) in which the causative agent becomes latent is/are

Author: Madison Christian

Disease(s) in which the causative agent becomes latent is/are

Please choose only one answer:

- cold sores.
- genital herpes.
- typhus.
- shingles.
- All of the choices are correct.

Check the answer of this question online at QuizOver.com:

Question: [Disease s in which the causative agent Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-disease-s-in-which-the-causative-agent-madison-christian-fina?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-disease-s-in-which-the-causative-agent-madison-christian-fina?pdf=1505>

4.1.217. A relationship in which one partner benefits and the other is unaff...

Author: Madison Christian

A relationship in which one partner benefits and the other is unaffected is termed

Please choose only one answer:

- commensalism.
- parasitism.
- independence.
- mutualism.

Check the answer of this question online at QuizOver.com:

Question: [A relationship in which one partner benefits Madison Final Exam Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-a-relationship-in-which-one-partner-benefits-madison-final-ex?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-a-relationship-in-which-one-partner-benefits-madison-final-ex?pdf=1505>

4.1.218. Which is true about superantigens?

3-26-2013

Author: Madison Christian

Which is true about superantigens?

3-26-2013

Please choose only one answer:

- They are a type of exotoxin.
- They bind simultaneously to MHC class II antigen on an antigen-presenting cell and to the T-cell receptor on a helper T cell.
- They enhance specific antibody production.
- They are processed intracellularly.
- They are a type of exotoxin AND they bind simultaneously to MHC class II antigen on an antigen-presenting cell and to the T-cell receptor on a helper T cell.

Check the answer of this question online at QuizOver.com:

Question: [Which is true about superantigens 3-26-2 Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-which-is-true-about-superantigens-3-26-2-madison-christian-fi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-which-is-true-about-superantigens-3-26-2-madison-christian-fi?pdf=1505>

4.1.219. Which of the following causes a foodborne intoxication?

Author: Madison Christian

Which of the following causes a foodborne intoxication?

Please choose only one answer:

- Staphylococcus aureus
- coli O157:H7
- Clostridium botulinum
- Mycobacterium tuberculosis
- Staphylococcus aureus, E. coli O157:H7 AND Clostridium botulinum

Check the answer of this question online at QuizOver.com:

Question: [Which of the following causes a foodborne Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-which-of-the-following-causes-a-foodborne-madison-christian-f?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-which-of-the-following-causes-a-foodborne-madison-christian-f?pdf=1505>

4.1.220. The infectious dose

Author: Madison Christian

The infectious dose

Please choose only one answer:

- is the same for all microorganisms.
- may be 10-100 cells for Salmonella.
- is expressed as ID50.
- is defined as the number of microbes necessary to ensure infection.
- is expressed as ID50 AND is defined as the number of microbes necessary to ensure infection.

Check the answer of this question online at QuizOver.com:

Question: [The infectious dose Madison Christian Final Exam Practice for Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-infectious-dose-madison-christian-final-exam-practice-for?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-infectious-dose-madison-christian-final-exam-practice-for?pdf=1505>

4.1.221. The first step in the establishment of infection is that the organi...

Author: Madison Christian

The first step in the establishment of infection is that the organism must

Please choose only one answer:

- invade host tissues.
- attach to host cells.
- evade phagocytes.
- produce toxins.

Check the answer of this question online at QuizOver.com:

Question: [The first step in the establishment of Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-first-step-in-the-establishment-of-madison-christian-fina?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-first-step-in-the-establishment-of-madison-christian-fina?pdf=1505>

4.1.222. Organisms that are found together and interact on a more or less pe...

Author: Madison Christian

Organisms that are found together and interact on a more or less permanent basis are in a relationship termed

Please choose only one answer:

- mutualism.
- parasitism.
- symbiosis.
- transient flora.

Check the answer of this question online at QuizOver.com:

Question: [Organisms that are found together and Madison Christian Final Exam](#)

Flashcards:

<http://www.quizover.com/flashcards/question-organisms-that-are-found-together-and-madison-christian-final?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-organisms-that-are-found-together-and-madison-christian-final?pdf=1505>

4.1.223. The suffix -emia means in the

Author: Madison Christian

The suffix -emia means in the

Please choose only one answer:

- body.
- lymph.
- interstitial tissue.
- blood.

Check the answer of this question online at QuizOver.com:

Question: [The suffix -emia means in the Madison Christian Final Exam Practice](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-suffix-emia-means-in-the-madison-christian-final-exam-pra?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-suffix-emia-means-in-the-madison-christian-final-exam-pra?pdf=1505>

4.1.224. The process by which infectious agents are ingested by host cells i...

Author: Madison Christian

The process by which infectious agents are ingested by host cells is termed

Please choose only one answer:

- exocytosis.
- pinocytosis.
- endocytosis.
- phagosome fusion.

Check the answer of this question online at QuizOver.com:

Question: [The process by which infectious agents Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-process-by-which-infectious-agents-madison-christian-fina?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-process-by-which-infectious-agents-madison-christian-fina?pdf=1505>

4.1.225. Which of the following would be considered a sign of a disease?

Author: Madison Christian

Which of the following would be considered a sign of a disease?

Please choose only one answer:

- headache
- pain
- nausea
- fever of 39°C

Check the answer of this question online at QuizOver.com:

Question: [Which of the following would be considered Madison Final Exam Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-which-of-the-following-would-be-considered-madison-final-exam?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-which-of-the-following-would-be-considered-madison-final-exam?pdf=1505>

4.1.226. Species of both Shigella and Streptococcus

Author: Madison Christian

Species of both Shigella and Streptococcus

Please choose only one answer:

- invade host cells.
- produce a toxin.
- cause ergot poisoning.
- are delivered via flea bites.
- invade host cells AND produce a toxin.

Check the answer of this question online at QuizOver.com:

Question: [Species of both Shigella and Streptococcus Madison Final Exam Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-species-of-both-shigella-and-streptococcus-madison-final-exam?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-species-of-both-shigella-and-streptococcus-madison-final-exam?pdf=1505>

4.1.227. Opportunists or opportunistic pathogens

Author: Madison Christian

Opportunists or opportunistic pathogens

Please choose only one answer:

- are usually saprophytes.
- take advantage of special circumstances.
- are usually mutualistic.
- always cause disease.

Check the answer of this question online at QuizOver.com:

Question: [Opportunists or opportunistic pathogens Madison Christian Final Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-opportunists-or-opportunistic-pathogens-madison-christian-fin?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-opportunists-or-opportunistic-pathogens-madison-christian-fin?pdf=1505>

4.1.228. Colonization of the body is inhibited by

Author: Madison Christian

Colonization of the body is inhibited by

Please choose only one answer:

- the shedding of skin cells.
- the movement of mucus by cilia.
- peristalsis.
- the flushing action of the urinary tract.
- All of the choices are correct.

Check the answer of this question online at QuizOver.com:

Question: [Colonization of the body is inhibited by Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-colonization-of-the-body-is-inhibited-by-madison-christian-fi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-colonization-of-the-body-is-inhibited-by-madison-christian-fi?pdf=1505>

4.1.229. The number of organisms necessary to insure infection is termed the

Author: Madison Christian

The number of organisms necessary to insure infection is termed the

Please choose only one answer:

- infectious dose.
- fatal number.
- minimum lethal dose.
- pathogenic number.

Check the answer of this question online at QuizOver.com:

Question: [The number of organisms necessary to insure Madison Final Exam Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-number-of-organisms-necessary-to-insure-madison-final-exa?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-number-of-organisms-necessary-to-insure-madison-final-exa?pdf=1505>

4.1.230. Which of the following is true about the role normal flora plays in...

Author: Madison Christian

Which of the following is true about the role normal flora plays in maintaining host health?

Please choose only one answer:

- They provide a surface that is incompatible for attachment of an invader.
- They establish competition for nutrients and vitamins.
- They produce antimicrobial substances.
- They stimulate the immune system.
- All of the choices are true.

Check the answer of this question online at QuizOver.com:

Question: [Which of the following is true about the Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-which-of-the-following-is-true-about-the-madison-christian-fi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-which-of-the-following-is-true-about-the-madison-christian-fi?pdf=1505>

4.1.231. A relationship in which one partner benefits and the other is harmed...

Author: Madison Christian

A relationship in which one partner benefits and the other is harmed is termed

Please choose only one answer:

- commensalism.
- parasitism.
- independence.
- mutualism.

Check the answer of this question online at QuizOver.com:

Question: [A relationship in which one partner benefits Madison Final Exam Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-a-relationship-in-which-one-partner-benefits-madison--1794558?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-a-relationship-in-which-one-partner-benefits-madison--1794558?pdf=1505>

4.1.232. The idea that communicable diseases were caused by the passage of l...

Author: Madison Christian

The idea that communicable diseases were caused by the passage of living things from one person to another was first put forth by

Please choose only one answer:

- Fracastorius.
- Pasteur.
- Thucydides.
- Leeuwenhoek.

Check the answer of this question online at QuizOver.com:

Question: [The idea that communicable diseases were Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-idea-that-communicable-diseases-were-madison-christian-fi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-idea-that-communicable-diseases-were-madison-christian-fi?pdf=1505>

4.1.233. Which of the following may be considered virulence factor(s)?

Author: Madison Christian

Which of the following may be considered virulence factor(s)?

Please choose only one answer:

- adhesins
- capsules
- endotoxins
- proteases
- All of the choices are correct.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Which of the following may be considered Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-which-of-the-following-may-be-considered-madison-christian-fi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-which-of-the-following-may-be-considered-madison-christian-fi?pdf=1505>

4.1.234. The "hygiene hypothesis" proposes that

Author: Madison Christian

The "hygiene hypothesis" proposes that

Please choose only one answer:

- lack of exposure to microbes can promote development of allergies.
- cleanliness truly is next to godliness.
- hand washing is the best preventative measure against infection.
- the immune system develops best in a clean environment.

Check the answer of this question online at QuizOver.com:

Question: [The hygiene hypothesis proposes that Madison Christian Final Exam](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-hygiene-hypothesis-proposes-that-madison-christian-final?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-hygiene-hypothesis-proposes-that-madison-christian-final?pdf=1505>

4.1.235. Avirulent organisms are

Author: Madison Christian

Avirulent organisms are

Please choose only one answer:

- more likely to cause disease.
- more likely to cause severe disease.
- unable to cause disease.
- pathogenic.

Check the answer of this question online at QuizOver.com:

Question: [Avirulent organisms are Madison Christian Final Exam Practice for](#)

Flashcards:

<http://www.quizover.com/flashcards/question-avirulent-organisms-are-madison-christian-final-exam-practice?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-avirulent-organisms-are-madison-christian-final-exam-practice?pdf=1505>

4.1.236. The normal microbiota provides protection against potentially harmf...

Author: Madison Christian

The normal microbiota provides protection against potentially harmful organisms and stimulates the immune system. Why would the immune responses to members of the normal microbiota cross-react with pathogens?

Please choose only one answer:

- Because one person's normal microbiota is another person's pathogen-when we pick up 'normal' microbes from a different person, they will always cause infection within us.
- Because pathogens are oftentimes more virulent strains of our own normal microbial flora, so they will 'look' roughly the same to our immune system (and be acted upon by our immune responses).
- Because the normal flora keeps the adaptive immune responses tuned-up, active, and ready to respond to broad, general categories of microbes (i.e. Gram positive vs. Gram negative microbes, viruses, etc.).
- Because the immune system is a 'use it or lose it' system. If it isn't used on a regular basis, we completely lose the ability to respond to pathogens. The normal flora keeps the system going so that it can be ready to respond to such pathogens when we're exposed to them.

Check the answer of this question online at QuizOver.com:

Question: [The normal microbiota provides protection Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-normal-microbiota-provides-protection-madison-christian-f?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-normal-microbiota-provides-protection-madison-christian-f?pdf=1505>

4.1.237. Why is it a good strategy for a microbe to adhere to a receptor tha...

Author: Madison Christian

Why is it a good strategy for a microbe to adhere to a receptor that plays a critical function for a host cell?

Please choose only one answer:

- It ISN'T a good strategy-host cells could shift to a backup receptor and shut down production of the main receptor, preventing infection.
- If it's a receptor the cell MUST use, it doesn't have a backup system in place to switch to-so, even though it makes it susceptible to infection, it HAS to put that target out there. This benefits the microbe.
- Microbes want to evade detection and elimination by the immune system-the closer they can adhere to host cells, the less likely they are to trigger destructive immune responses. This would be similar to using a hostage as a shield in a police-standoff situation.
- It ISN'T a good strategy-by binding to receptors, microbes will be phagocytosed by cells and destroyed within them.

Check the answer of this question online at QuizOver.com:

Question: [Why is it a good strategy for a microbe Madison Christian Final Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-why-is-it-a-good-strategy-for-a-microbe-madison-christian-fin?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-why-is-it-a-good-strategy-for-a-microbe-madison-christian-fin?pdf=1505>

4.1.238. Which of the following does *S. pneumoniae* use to survive in the host?

Author: Madison Christian

Which of the following does *S. pneumoniae* use to survive in the host?

Please choose only one answer:

- plasmids
- pili
- flagella
- capsules

Check the answer of this question online at QuizOver.com:

Question: [Which of the following does *S. pneumoniae* Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-which-of-the-following-does-s-pneumoniae-madison-christian-fi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-which-of-the-following-does-s-pneumoniae-madison-christian-fi?pdf=1505>

4.1.239. Growth of a parasitic organism in or on the host is referred to as

Author: Madison Christian

Growth of a parasitic organism in or on the host is referred to as

Please choose only one answer:

- colonization.
- infection.
- pathogenism.
- mutualism.

Check the answer of this question online at QuizOver.com:

Question: [Growth of a parasitic organism in or on Madison Christian Final Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-growth-of-a-parasitic-organism-in-or-on-madison-christian-fin?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-growth-of-a-parasitic-organism-in-or-on-madison-christian-fin?pdf=1505>

4.1.240. Which of the following factors is not considered important for the ...

Author: Madison Christian

Which of the following factors is not considered important for the establishment of an infection?

Please choose only one answer:

- adherence
- dose
- toxicity
- virulence factors

Check the answer of this question online at QuizOver.com:

Question: [Which of the following factors is not Madison Christian Final Exam](#)

Flashcards:

<http://www.quizover.com/flashcards/question-which-of-the-following-factors-is-not-madison-christian-final?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-which-of-the-following-factors-is-not-madison-christian-final?pdf=1505>

4.1.241. The initial work on anaphylaxis was done by

Author: Madison Christian

The initial work on anaphylaxis was done by

Please choose only one answer:

- Watson and Crick.
- Pasteur.
- Fleming.
- Richet and Portier.

Check the answer of this question online at QuizOver.com:

Question: [The initial work on anaphylaxis was done Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-initial-work-on-anaphylaxis-was-done-madison-christian-fi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-initial-work-on-anaphylaxis-was-done-madison-christian-fi?pdf=1505>

4.1.242. Insulin-dependent diabetes mellitus is an example of an autoimmune ...

Author: Madison Christian

Insulin-dependent diabetes mellitus is an example of an autoimmune disease that involves

Please choose only one answer:

- sensitized T cells.
- cytotoxic T cells.
- antibodies.
- IgD.

Check the answer of this question online at QuizOver.com:

Question: [Insulin-dependent diabetes mellitus is an Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-insulin-dependent-diabetes-mellitus-is-an-madison-christian-f?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-insulin-dependent-diabetes-mellitus-is-an-madison-christian-f?pdf=1505>

4.1.243. What might be an advantage to using an individual's own stem cells ...

Author: Madison Christian

What might be an advantage to using an individual's own stem cells instead of pancreatic cell allografts to treat Type I diabetes?

Please choose only one answer:

- Stem cells can disable the immune responses that led to the diabetes state in the first place.
- This process should be far cheaper than the surgical intervention needed for the allograft.
- You can't do this-stem cell research is still theoretical, not approved by the FDA, and is currently illegal in the US. As such, there is no advantage.
- If you were able to use a person's own cells, it would be considered an autograft rather than an allograft. As such, there should be no HLA/MHC matching required, and no long-term anti-rejection drugs needed.

Check the answer of this question online at QuizOver.com:

Question: [What might be an advantage to using an Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-what-might-be-an-advantage-to-using-an-madison-christian-fina?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-what-might-be-an-advantage-to-using-an-madison-christian-fina?pdf=1505>

4.1.244. Defects in bone marrow stem cells result in a condition known as

Author: Madison Christian

Defects in bone marrow stem cells result in a condition known as

Please choose only one answer:

- SCID.
- AIDS.
- Di George's syndrome.
- Chediak-Higashi disease.

Check the answer of this question online at QuizOver.com:

Question: [Defects in bone marrow stem cells result Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-defects-in-bone-marrow-stem-cells-result-madison-christian-fi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-defects-in-bone-marrow-stem-cells-result-madison-christian-fi?pdf=1505>

4.1.245. Immune complexes

Author: Madison Christian

Immune complexes

Please choose only one answer:

- consist of antigen-antibody bound together.
- are usually cleared rapidly from the body.
- bind to Fc receptors on cells.
- are involved in Type III hypersensitivity reactions.
- All of the choices are correct.

Check the answer of this question online at QuizOver.com:

Question: [Immune complexes Madison Christian Final Exam Practice for](#)

Flashcards:

<http://www.quizover.com/flashcards/question-immune-complexes-madison-christian-final-exam-practice-for?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-immune-complexes-madison-christian-final-exam-practice-for?pdf=1505>

4.1.246. To produce an allergic reaction in Type I hypersensitivity, the ant...

Author: Madison Christian

To produce an allergic reaction in Type I hypersensitivity, the antigen

Please choose only one answer:

- must bind to mast cells.
- must bind to free IgE molecules.
- must bind to IgE on mast cells
- must crosslink two IgE molecules on mast cells.

Check the answer of this question online at QuizOver.com:

Question: [To produce an allergic reaction in Type Madison Christian Final Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-to-produce-an-allergic-reaction-in-type-madison-christian-fin?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-to-produce-an-allergic-reaction-in-type-madison-christian-fin?pdf=1505>

4.1.247. Multiple myeloma is a plasma cell tumor in which a clone of maligna...

Author: Madison Christian

Multiple myeloma is a plasma cell tumor in which a clone of malignant plasma cells produces large amounts of immunoglobulin. With all this excess immunoglobulin, how can a person with multiple myeloma be immunodeficient?

Please choose only one answer:

- All the immunoglobulin produced is most likely specific to one antigen. This limits the ability to respond to the diversity of antigens we encounter.
- The multiplication of the malignant plasma cells may crowd out normal production of other immune cells required for protective responses.
- The massive overproduction of immunoglobulin impairs the kidneys, preventing production of the correct hormones from the kidneys to balance immune system cell production from the bone marrow.
- Through a negative feedback loop, the large amount of immunoglobulin tricks the immune system into thinking it's making a strong response that is needed. As such, it shuts down production of other responses that might truly BE needed to fight off a pathogen.
- All the immunoglobulin produced is most likely specific to one antigen. This limits the ability to respond to the diversity of antigens we encounter AND the multiplication of the malignant plasma cells may crowd out normal production of other immune cells required for protective responses.

Check the answer of this question online at QuizOver.com:

Question: [Multiple myeloma is a plasma cell tumor Madison Christian Final Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-multiple-myeloma-is-a-plasma-cell-tumor-madison-christian-fin?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-multiple-myeloma-is-a-plasma-cell-tumor-madison-christian-fin?pdf=1505>

4.1.248. IgE molecules involved in hypersensitivity reactions have become at...

Author: Madison Christian

IgE molecules involved in hypersensitivity reactions have become attached to

Please choose only one answer:

- neutrophils.
- mast cells.
- B cells.
- macrophages.
- mast cells AND B cells.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [IgE molecules involved in hypersensitivity Madison Final Exam Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-ige-molecules-involved-in-hypersensitivity-madison-final-exam?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-ige-molecules-involved-in-hypersensitivity-madison-final-exam?pdf=1505>

4.1.249. Cyclosporin A

Author: Madison Christian

Cyclosporin A

Please choose only one answer:

- is a relatively general immunosuppressive agent.
- suppresses T cell proliferation.
- activates macrophages.
- stimulates antibody production.
- is a relatively general immunosuppressive agent AND suppresses T cell proliferation.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Cyclosporin A Madison Christian Final Exam Practice for Microbiology](#)

Flashcards:

<http://www.quizover.com/flashcards/question-cyclosporin-a-madison-christian-final-exam-practice-for-micro?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-cyclosporin-a-madison-christian-final-exam-practice-for-micro?pdf=1505>

4.1.250. Regarding a mismatch of either the Rh antigen or the AB antigen, both

Author: Madison Christian

Regarding a mismatch of either the Rh antigen or the AB antigen, both

Please choose only one answer:

- result in destruction of red blood cells.
- utilize complement to destroy red blood cells.
- utilize antibody-dependent cellular cytotoxicity to destroy the red blood cells.
- result in destruction of only leukocytes.

Check the answer of this question online at QuizOver.com:

Question: [Regarding a mismatch of either the Rh Madison Christian Final Exam](#)

Flashcards:

<http://www.quizover.com/flashcards/question-regarding-a-mismatch-of-either-the-rh-madison-christian-final?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-regarding-a-mismatch-of-either-the-rh-madison-christian-final?pdf=1505>

4.1.251. The natural antibodies in serum that react with A or B polysacchari...

Author: Madison Christian

The natural antibodies in serum that react with A or B polysaccharide antigens are mostly of the class

Please choose only one answer:

- IgG.
- IgE.
- IgM.
- IgD.
- IgA.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [The natural antibodies in serum that react Madison Final Exam Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-natural-antibodies-in-serum-that-react-madison-final-exam?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-natural-antibodies-in-serum-that-react-madison-final-exam?pdf=1505>

4.1.252. Gene therapy technology

Author: Madison Christian

Gene therapy technology

Please choose only one answer:

- may be used to generate cells for transplantation.
- may overcome graft rejection.
- may treat cancer.
- may down-regulate the immune response.
- may overcome graft rejections AND may treat cancer.

Check the answer of this question online at QuizOver.com:

Question: [Gene therapy technology Madison Christian Final Exam Practice for](#)

Flashcards:

<http://www.quizover.com/flashcards/question-gene-therapy-technology-madison-christian-final-exam-practice?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-gene-therapy-technology-madison-christian-final-exam-practice?pdf=1505>

4.1.253. Stem cells

Author: Madison Christian

Stem cells

Please choose only one answer:

- have an almost unlimited capacity to divide.
- can differentiate into different tissues.
- may be used to test the effects of drugs on human cells.
- come from fetal material.
- All of the above

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Stem cells Madison Christian Final Exam Practice for Microbiology](#)

Flashcards:

<http://www.quizover.com/flashcards/question-stem-cells-madison-christian-final-exam-practice-for-microbio?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-stem-cells-madison-christian-final-exam-practice-for-microbio?pdf=1505>

4.1.254. Delayed type hypersensitivity primarily involves

Author: Madison Christian

Delayed type hypersensitivity primarily involves

Please choose only one answer:

- erythrocytes.
- B cells.
- T cells.
- mast cells.

Check the answer of this question online at QuizOver.com:

Question: [Delayed type hypersensitivity primarily Madison Christian Final Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-delayed-type-hypersensitivity-primarily-madison-christian-fin?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-delayed-type-hypersensitivity-primarily-madison-christian-fin?pdf=1505>

4.1.255. Immunologically privileged sites include the

Author: Madison Christian

Immunologically privileged sites include the

Please choose only one answer:

- brain.
- eyes.
- testes.
- kidney.
- brain, eyes AND testes.

Check the answer of this question online at QuizOver.com:

Question: [Immunologically privileged sites include Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-immunologically-privileged-sites-include-madison-christian-fi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-immunologically-privileged-sites-include-madison-christian-fi?pdf=1505>

4.1.256. If the thymus fails to develop

Author: Madison Christian

If the thymus fails to develop

Please choose only one answer:

- functional T cells are absent.
- functional B cells are absent.
- Di George's syndrome exists.
- complement deficiencies exist.
- functional T cells are absent AND Di George's syndrome exists.

Check the answer of this question online at QuizOver.com:

Question: [If the thymus fails to develop Madison Christian Final Exam Practice](#)

Flashcards:

<http://www.quizover.com/flashcards/question-if-the-thymus-fails-to-develop-madison-christian-final-exam-p?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-if-the-thymus-fails-to-develop-madison-christian-final-exam-p?pdf=1505>

4.1.257. Graft-versus-host disease is primarily a

Author: Madison Christian

Graft-versus-host disease is primarily a

Please choose only one answer:

- Type I reaction.
- Type II reaction.
- Type III reaction.
- Type IV reaction.
- Type V reaction.

Check the answer of this question online at QuizOver.com:

Question: [Graft-versus-host disease is primarily a Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-graft-versus-host-disease-is-primarily-a-madison-christian-fi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-graft-versus-host-disease-is-primarily-a-madison-christian-fi?pdf=1505>

4.1.258. HIV

Author: Madison Christian

HIV

Please choose only one answer:

- appears to cause AIDS.
- is an RNA virus.
- destroys T helper cells.
- makes the patient vulnerable to infections, especially those caused by opportunists.
- All of the choices are correct.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [HIV Madison Christian Final Exam Practice for Microbiology Lecture](#)

Flashcards:

<http://www.quizover.com/flashcards/question-hiv-madison-christian-final-exam-practice-for-microbiology-le?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-hiv-madison-christian-final-exam-practice-for-microbiology-le?pdf=1505>

4.1.259. Antibodies that have arisen in the blood plasma without any obvious...

Author: Madison Christian

Antibodies that have arisen in the blood plasma without any obvious or deliberate stimulus are called

Please choose only one answer:

- natural.
- acquired.
- injurious.
- active.

Check the answer of this question online at QuizOver.com:

Question: [Antibodies that have arisen in the blood Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-antibodies-that-have-arisen-in-the-blood-madison-christian-fi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-antibodies-that-have-arisen-in-the-blood-madison-christian-fi?pdf=1505>

4.1.260. Secondary immunodeficiency disease is not the result of

Author: Madison Christian

Secondary immunodeficiency disease is not the result of

Please choose only one answer:

- genetic defects.
- malignancies.
- advanced age.
- malnutrition.

Check the answer of this question online at QuizOver.com:

Question: [Secondary immunodeficiency disease is not Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-secondary-immunodeficiency-disease-is-not-madison-christian-f?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-secondary-immunodeficiency-disease-is-not-madison-christian-f?pdf=1505>

4.1.261. Localized injury or death of tissue resulting from repeated injecti...

Author: Madison Christian

Localized injury or death of tissue resulting from repeated injections of an antigen into a person with high levels of circulating specific antibody is known as

Please choose only one answer:

- farmer's lung.
- German measles.
- serum sickness.
- an Arthus reaction.

Check the answer of this question online at QuizOver.com:

Question: [Localized injury or death of tissue Madison Christian Final Exam](#)

Flashcards:

<http://www.quizover.com/flashcards/question-localized-injury-or-death-of-tissue-madison-christian-final-e?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-localized-injury-or-death-of-tissue-madison-christian-final-e?pdf=1505>

4.1.262. Killing of graft cells occurs through a complex series of mechanism...

Author: Madison Christian

Killing of graft cells occurs through a complex series of mechanisms including

Please choose only one answer:

- sensitized T cytotoxic cells.
- NK cells.
- erythrocytic cells.
- basophilic cells.
- sensitized T cytotoxic cells AND NK cells.

Check the answer of this question online at QuizOver.com:

Question: [Killing of graft cells occurs through a Madison Christian Final Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-killing-of-graft-cells-occurs-through-a-madison-christian-fin?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-killing-of-graft-cells-occurs-through-a-madison-christian-fin?pdf=1505>

4.1.263. What is NOT a reason that the kidneys are particularly prone to dam...

Author: Madison Christian

What is NOT a reason that the kidneys are particularly prone to damage caused by immune complexes?

Please choose only one answer:

- Kidney blood vessel wall cells have receptors for antibodies on them, which makes them soak up antibodies (or in this case, immune complexes) from the bloodstream. This blocks the kidneys up and causes them to malfunction and become damaged.
- Blood is pushed through the kidneys at a very high pressure-any blockage of the vessels (such as what might be caused by immune complex deposits) can lead to ruptures/inflammation and damage.
- While blood vessel walls do NOT have receptors for antibodies, large immune complexes forced through small diameter vessels can become embedded within them. This can trigger complement system inflammation and cell destruction.
- Trapped immune complexes that initiate inflammation can attract neutrophils. The neutrophils degranulate in the area of the immune complexes, leading to cell/tissue destruction.

Check the answer of this question online at QuizOver.com:

Question: [What is NOT a reason that the kidneys are Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-what-is-not-a-reason-that-the-kidneys-are-madison-christian-f?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-what-is-not-a-reason-that-the-kidneys-are-madison-christian-f?pdf=1505>

4.1.264. Hemolytic disease of the newborn

Author: Madison Christian

Hemolytic disease of the newborn

Please choose only one answer:

- may not manifest itself fully until after birth.
- is due to the action of IgM.
- is due to the action of IgE.
- is a Type I hypersensitivity reaction.
- may not manifest itself fully until after birth AND is due to the action of IgE.

Check the answer of this question online at QuizOver.com:

Question: [Hemolytic disease of the newborn Madison Christian Final Exam Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-hemolytic-disease-of-the-newborn-madison-christian-final-exam?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-hemolytic-disease-of-the-newborn-madison-christian-final-exam?pdf=1505>

4.1.265. The condition that results from ineffective digestion after phagocy...

Author: Madison Christian

The condition that results from ineffective digestion after phagocytosis is

Please choose only one answer:

- AIDS.
- Chediak-Higashi disease.
- Di George's syndrome.
- agammaglobulinemia.

Check the answer of this question online at QuizOver.com:

Question: [The condition that results from ineffective Madison Final Exam Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-condition-that-results-from-ineffective-madison-final-exa?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-condition-that-results-from-ineffective-madison-final-exa?pdf=1505>

4.1.266. Would antibodies produced by a patient in response to infection be ...

Author: Madison Christian

Would antibodies produced by a patient in response to infection be monoclonal, or polyclonal?

Please choose only one answer:

- Since the infection is from only a single agent/microbe, the antibodies would be monoclonal.
- Since a single pathogen has multiple antigens, and each antigen has multiple epitopes, the responding antibodies to a whole pathogen would be polyclonal.
- Since the pathogen would most likely mutate slightly during the infection (producing different epitopes), the responding antibodies would be polyclonal.
- Since the pathogen would acquire and modify self-antigens during the infectious process, the antibodies produced during the response would be polyclonal.

Check the answer of this question online at QuizOver.com:

Question: [Would antibodies produced by a patient in Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-would-antibodies-produced-by-a-patient-in-madison-christian-f?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-would-antibodies-produced-by-a-patient-in-madison-christian-f?pdf=1505>

4.1.267. Attenuated agents are

Author: Madison Christian

Attenuated agents are

Please choose only one answer:

- dead viruses.
- toxins.
- weakened but replicating microbes.
- parts of an organism.

Check the answer of this question online at QuizOver.com:

Question: [Attenuated agents are Madison Christian Final Exam Practice for Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-attenuated-agents-are-madison-christian-final-exam-practice-f?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-attenuated-agents-are-madison-christian-final-exam-practice-f?pdf=1505>

4.1.268. Monoclonal antibodies may be used in the rapid diagnosis of

Author: Madison Christian

Monoclonal antibodies may be used in the rapid diagnosis of

Please choose only one answer:

- pregnancy.
- hepatitis.
- influenza.
- chlamydia.
- All of the choices are correct.

Check the answer of this question online at QuizOver.com:

Question: [Monoclonal antibodies may be used in the Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-monoclonal-antibodies-may-be-used-in-the-madison-christian-fi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-monoclonal-antibodies-may-be-used-in-the-madison-christian-fi?pdf=1505>

4.1.269. Whole agent vaccines may contain

Author: Madison Christian

Whole agent vaccines may contain

Please choose only one answer:

- viruses.
- bacteria.
- toxins.
- polysaccharides.
- viruses AND bacteria.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Whole agent vaccines may contain Madison Christian Final Exam Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-whole-agent-vaccines-may-contain-madison-christian-final-exam?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-whole-agent-vaccines-may-contain-madison-christian-final-exam?pdf=1505>

4.1.270. Monoclonal antibodies obtained from a hybridoma provide

Author: Madison Christian

Monoclonal antibodies obtained from a hybridoma provide

Please choose only one answer:

- a large amount of an antibody that is specific for a particular antigen.
- a single antibody that recognizes many antigens.
- many antigens that recognize a specific antibody.
- a large number of B cells.

Check the answer of this question online at QuizOver.com:

Question: [Monoclonal antibodies obtained from a Madison Christian Final Exam](#)

Flashcards:

<http://www.quizover.com/flashcards/question-monoclonal-antibodies-obtained-from-a-madison-christian-final?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-monoclonal-antibodies-obtained-from-a-madison-christian-final?pdf=1505>

4.1.271. What would be a primary advantage of passive immunity with diseases...

Author: Madison Christian

What would be a primary advantage of passive immunity with diseases such as tetanus or botulism?

Please choose only one answer:

- Time. You can quickly neutralize the toxin with a passive administration of antibodies to save the patient's life when no is available for them to make their own active immune response.
- Cost. It's far cheaper to administer a dose of antibodies harvested from the serum of an actively-immunized animal or human than it is to administer a vaccine.
- Safety of delivery. It's far safer to administer a dose of antibodies harvested from the serum of an actively-immunized animal or human than it is to administer a vaccine.
- Handling of treatment. It's difficult to keep vaccines stored properly to keep their potency, especially in 3rd world countries without adequate 'cold chains' for transport into jungles and deserts. It's much easier to keep a batch of antibodies stable, even in extremes of heat and humidity.

Check the answer of this question online at QuizOver.com:

Question: [What would be a primary advantage of Madison Christian Final Exam](#)

Flashcards:

<http://www.quizover.com/flashcards/question-what-would-be-a-primary-advantage-of-madison-christian-final?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-what-would-be-a-primary-advantage-of-madison-christian-final?pdf=1505>

4.1.272. A recombinant vaccine is used to protect against

Author: Madison Christian

A recombinant vaccine is used to protect against

Please choose only one answer:

- polio.
- diphtheria.
- hepatitis B.
- pertussis.

Check the answer of this question online at QuizOver.com:

Question: [A recombinant vaccine is used to protect Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-a-recombinant-vaccine-is-used-to-protect-madison-christian-fi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-a-recombinant-vaccine-is-used-to-protect-madison-christian-fi?pdf=1505>

4.1.273. The last case of naturally contracted smallpox occurred in

Author: Madison Christian

The last case of naturally contracted smallpox occurred in

Please choose only one answer:

- 1900.
- 1950.
- 1965.
- 1977.
- 1989.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [The last case of naturally contracted Madison Christian Final Exam](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-last-case-of-naturally-contracted-madison-christian-final?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-last-case-of-naturally-contracted-madison-christian-final?pdf=1505>

4.1.274. What would be a primary advantage of using an attenuated agent rather than just an antigen from that agent for a vaccine?

Author: Madison Christian

What would be a primary advantage of using an attenuated agent rather than just an antigen from that agent for a vaccine?

Please choose only one answer:

- This is actually a disadvantage-it's much more dangerous to use an attenuated agent over a subunit (single antigen) vaccine due to the possibility of reversion of the microbe to a pathogenic state.
- An attenuated agent strongly stimulates ONLY the antibody production (humoral response) of the adaptive immune system. This provides the best and strongest long-term protection.
- An attenuated agent strongly stimulates ONLY the cytotoxic T cell (CTL, cell-mediated) side of the adaptive immune system. This provides the best and strongest long-term protection.
- An attenuated agent strongly stimulates both the humoral (antibody) AND cell-mediated (T cell) portions of the adaptive immune response, giving the best comprehensive long-term protection available.

Check the answer of this question online at QuizOver.com:

Question: [What would be a primary advantage of using Madison Final Exam Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-what-would-be-a-primary-advantage-of-using-madison-final-exam?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-what-would-be-a-primary-advantage-of-using-madison-final-exam?pdf=1505>

4.1.275. Toxoids are used in vaccines against

Author: Madison Christian

Toxoids are used in vaccines against

Please choose only one answer:

- Haemophilus influenza type b.
- diphtheria.
- herpes simplex type I.
- polio.
- diphtheria AND herpes simplex type I.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Toxoids are used in vaccines against Madison Christian Final Exam](#)

Flashcards:

<http://www.quizover.com/flashcards/question-toxoids-are-used-in-vaccines-against-madison-christian-final?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-toxoids-are-used-in-vaccines-against-madison-christian-final?pdf=1505>

4.1.276. DNA vaccines work by

Author: Madison Christian

DNA vaccines work by

Please choose only one answer:

- stimulating production of antibodies against DNA.
- stimulating interferon production.
- inactivating the host DNA.
- having the cell use the introduced DNA to make the microbial protein antigen.

Check the answer of this question online at QuizOver.com:

Question: [DNA vaccines work by Madison Christian Final Exam Practice for Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-dna-vaccines-work-by-madison-christian-final-exam-practice-fo?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-dna-vaccines-work-by-madison-christian-final-exam-practice-fo?pdf=1505>

4.1.277. Almost all of the antibodies found in a newborn are

Author: Madison Christian

Almost all of the antibodies found in a newborn are

Please choose only one answer:

- the result of infection.
- self-made.
- IgM.
- the result of passive immunity.

Check the answer of this question online at QuizOver.com:

Question: [Almost all of the antibodies found in a Madison Christian Final Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-almost-all-of-the-antibodies-found-in-a-madison-christian-fin?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-almost-all-of-the-antibodies-found-in-a-madison-christian-fin?pdf=1505>

4.1.278. Variolation is a procedure once used to protect against

Author: Madison Christian

Variolation is a procedure once used to protect against

Please choose only one answer:

- measles.
- bubonic plague.
- rabies.
- smallpox.

Check the answer of this question online at QuizOver.com:

Question: [Variolation is a procedure once used to Madison Christian Final Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-variolation-is-a-procedure-once-used-to-madison-christian-fin?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-variolation-is-a-procedure-once-used-to-madison-christian-fin?pdf=1505>

4.1.279. The serology test that may show the antigen-antibody complex as yel...

Author: Madison Christian

The serology test that may show the antigen-antibody complex as yellow-green under the microscope while using an ultraviolet light is known as the

Please choose only one answer:

- radioimmunoassay.
- fluorescent antibody test.
- ELISA test.
- AIDS test.

Check the answer of this question online at QuizOver.com:

Question: [The serology test that may show the antigen Madison Final Exam Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-serology-test-that-may-show-the-antigen-madison-final-exa?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-serology-test-that-may-show-the-antigen-madison-final-exa?pdf=1505>

4.1.280. Which antibodies cross the placenta and protect the fetus?

Author: Madison Christian

Which antibodies cross the placenta and protect the fetus?

Please choose only one answer:

- IgA
- IgG
- IgM
- IgD

Check the answer of this question online at QuizOver.com:

Question: [Which antibodies cross the placenta and Madison Christian Final Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-which-antibodies-cross-the-placenta-and-madison-christian-fin?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-which-antibodies-cross-the-placenta-and-madison-christian-fin?pdf=1505>

4.1.281. Anti-human-gamma-globulin antiserum is often used in

Author: Madison Christian

Anti-human-gamma-globulin antiserum is often used in

Please choose only one answer:

- direct fluorescent antibody tests.
- complement fixation test.
- radioimmunoassay.
- indirect fluorescent antibody tests.

Check the answer of this question online at QuizOver.com:

Question: [Anti-human-gamma-globulin antiserum is Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-anti-human-gamma-globulin-antiserum-is-madison-christian-fina?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-anti-human-gamma-globulin-antiserum-is-madison-christian-fina?pdf=1505>

4.1.282. For which of the following childhood diseases is a subunit vaccine ...

Author: Madison Christian

For which of the following childhood diseases is a subunit vaccine recommended?

Please choose only one answer:

- polio
- measles
- hepatitis B
- pertussis

Check the answer of this question online at QuizOver.com:

Question: [For which of the following childhood Madison Christian Final Exam](#)

Flashcards:

<http://www.quizover.com/flashcards/question-for-which-of-the-following-childhood-madison-christian-final?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-for-which-of-the-following-childhood-madison-christian-final?pdf=1505>

4.1.283. The change from negative serum, without antibodies specific to an i...

Author: Madison Christian

The change from negative serum, without antibodies specific to an infecting agent, to positive serum, containing antibodies against that infecting agent, is called

Please choose only one answer:

- ELISA.
- complement fixation.
- seroconversion.
- RIA.

Check the answer of this question online at QuizOver.com:

Question: [The change from negative serum without Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-change-from-negative-serum-without-madison-christian-fina?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-change-from-negative-serum-without-madison-christian-fina?pdf=1505>

4.1.284. Which type of vaccine has been used in place of inactivated whole c...

Author: Madison Christian

Which type of vaccine has been used in place of inactivated whole cell vaccine?

Please choose only one answer:

- acellular subunit
- whole cell attenuated
- adjuvant
- toxin

Check the answer of this question online at QuizOver.com:

Question: [Which type of vaccine has been used in Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-which-type-of-vaccine-has-been-used-in-madison-christian-fina?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-which-type-of-vaccine-has-been-used-in-madison-christian-fina?pdf=1505>

4.1.285. Herd immunity

Author: Madison Christian

Herd immunity

Please choose only one answer:

- only occurs in a population in which all individuals are immune.
- occurs in a population in which a large percentage of the population is immune.
- only provides protection to those that are already immune.
- is responsible for dramatic increases in childhood diseases.
- occurs in a population in which a large percentage of the population is immune AND is responsible for dramatic increases in childhood diseases.

Check the answer of this question online at QuizOver.com:

Question: [Herd immunity Madison Christian Final Exam Practice for Microbiology](#)

Flashcards:

<http://www.quizover.com/flashcards/question-herd-immunity-madison-christian-final-exam-practice-for-micro?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-herd-immunity-madison-christian-final-exam-practice-for-micro?pdf=1505>

4.1.286. The most common adjuvant is

Author: Madison Christian

The most common adjuvant is

Please choose only one answer:

- ethanol.
- formalin.
- alum.
- aluminum.
- alum AND aluminum.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [The most common adjuvant is Madison Christian Final Exam Practice](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-most-common-adjuvant-is-madison-christian-final-exam-prac?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-most-common-adjuvant-is-madison-christian-final-exam-prac?pdf=1505>

4.1.287. Injection of a single antigen usually results in production of

Author: Madison Christian

Injection of a single antigen usually results in production of

Please choose only one answer:

- antibody to a single epitope.
- an antibody that recognizes several epitopes.
- additional antigen.
- a number of antibodies each recognizing a different epitope.

Check the answer of this question online at QuizOver.com:

Question: [Injection of a single antigen usually Madison Christian Final Exam](#)

Flashcards:

<http://www.quizover.com/flashcards/question-injection-of-a-single-antigen-usually-madison-christian-final?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-injection-of-a-single-antigen-usually-madison-christian-final?pdf=1505>

4.1.288. Which plant has been used to deliver vaccine?

Author: Madison Christian

Which plant has been used to deliver vaccine?

Please choose only one answer:

- peanuts
- lima beans
- spinach
- potatoes

Check the answer of this question online at QuizOver.com:

Question: [Which plant has been used to deliver Madison Christian Final Exam](#)

Flashcards:

<http://www.quizover.com/flashcards/question-which-plant-has-been-used-to-deliver-madison-christian-final?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-which-plant-has-been-used-to-deliver-madison-christian-final?pdf=1505>

4.1.289. Attenuated agents

Author: Madison Christian

Attenuated agents

Please choose only one answer:

- may induce immunity after a single dose.
- may cause disease in immunocompromised individuals.
- multiply in the body.
- may revert or mutate to disease-causing strains.
- All of the choices are correct.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Attenuated agents Madison Christian Final Exam Practice for Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-attenuated-agents-madison-christian-final-exam-practice-for-q?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-attenuated-agents-madison-christian-final-exam-practice-for-q?pdf=1505>

4.1.290. If the number of people who become ill during an epidemic rises gra...

Author: Madison Christian

If the number of people who become ill during an epidemic rises gradually, this is called a(n)

Please choose only one answer:

- propagated epidemic.
- promulgated epidemic.
- common source epidemic.
- index epidemic.

Check the answer of this question online at QuizOver.com:

Question: [If the number of people who become ill Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-if-the-number-of-people-who-become-ill-madison-christian-fina?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-if-the-number-of-people-who-become-ill-madison-christian-fina?pdf=1505>

4.1.291. An epidemic that spreads worldwide is called a(n)

Author: Madison Christian

An epidemic that spreads worldwide is called a(n)

Please choose only one answer:

- epidemical.
- endemic.
- pandemic.
- syndemic.

Check the answer of this question online at QuizOver.com:

Question: [An epidemic that spreads worldwide is Madison Christian Final Exam](#)

Flashcards:

<http://www.quizover.com/flashcards/question-an-epidemic-that-spreads-worldwide-is-madison-christian-final?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-an-epidemic-that-spreads-worldwide-is-madison-christian-final?pdf=1505>

4.1.292. If the number of people who become ill during an epidemic rises and...

Author: Madison Christian

If the number of people who become ill during an epidemic rises and falls rapidly, this is called a(n)

Please choose only one answer:

- propagated epidemic.
- promulgated epidemic.
- common source epidemic.
- index epidemic.

Check the answer of this question online at QuizOver.com:

Question: [If the number of people who become ill Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-if-the-number-of-people-who-become-ill-madison-christ-6793400?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-if-the-number-of-people-who-become-ill-madison-christ-6793400?pdf=1505>

4.1.293. The type of epidemiological study that determines the characteristi...

Author: Madison Christian

The type of epidemiological study that determines the characteristics of the persons involved and the time and place of the outbreak is called a(n)

Please choose only one answer:

- inspection study.
- descriptive study.
- cohortive study.
- retrospective study.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [The type of epidemiological study that Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-type-of-epidemiological-study-that-madison-christian-fina?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-type-of-epidemiological-study-that-madison-christian-fina?pdf=1505>

4.1.294. The first identified case in an outbreak is called the

Author: Madison Christian

The first identified case in an outbreak is called the

Please choose only one answer:

- starter case.
- traceable case.
- primary case.
- index case.

Check the answer of this question online at QuizOver.com:

Question: [The first identified case in an outbreak Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-first-identified-case-in-an-outbreak-madison-christian-fi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-first-identified-case-in-an-outbreak-madison-christian-fi?pdf=1505>

4.1.295. Droplet nuclei typically travel no farther from point of release than

Author: Madison Christian

Droplet nuclei typically travel no farther from point of release than

Please choose only one answer:

- 3 meters.
- 5 meters.
- 1 meter.
- They are suspended indefinitely.

Check the answer of this question online at QuizOver.com:

Question: [Droplet nuclei typically travel no farther Madison Final Exam Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-droplet-nuclei-typically-travel-no-farther-madison-final-exam?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-droplet-nuclei-typically-travel-no-farther-madison-final-exam?pdf=1505>

4.1.296. Which of the following may be associated with nosocomial disease?

Author: Madison Christian

Which of the following may be associated with nosocomial disease?

Please choose only one answer:

- Enterococcus species.
- Escherichia coli.
- Pseudomonas species.
- Staphylococcus aureus.
- All of the choices are correct.

Check the answer of this question online at QuizOver.com:

Question: [Which of the following may be associated Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-which-of-the-following-may-be-associated-madison-christian-fi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-which-of-the-following-may-be-associated-madison-christian-fi?pdf=1505>

4.1.297. The threat of bioterrorism

Author: Madison Christian

The threat of bioterrorism

Please choose only one answer:

- is due largely to the ease of spread and severity of diseases.
- is exaggerated in light of the efficiency of our healthcare system.
- may include rarely seen infectious agents.
- has prompted WHO to prepare a readiness plan.
- is due largely to the ease of spread and severity of diseases AND may include rarely seen infectious agents.

Check the answer of this question online at QuizOver.com:

Question: [The threat of bioterrorism Madison Christian Final Exam Practice](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-threat-of-bioterrorism-madison-christian-final-exam-pract?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-threat-of-bioterrorism-madison-christian-final-exam-pract?pdf=1505>

4.1.298. The fraction of a population who die from a specific disease is called

Author: Madison Christian

The fraction of a population who die from a specific disease is called

Please choose only one answer:

- mortality rate.
- morbidity rate.
- attack rate.
- incidence rate.

Check the answer of this question online at QuizOver.com:

Question: [The fraction of a population who die from Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-fraction-of-a-population-who-die-from-madison-christian-f?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-fraction-of-a-population-who-die-from-madison-christian-f?pdf=1505>

4.1.299. The period of time between exposure to an agent and the onset of di...

Author: Madison Christian

The period of time between exposure to an agent and the onset of disease signs and symptoms is called the

Please choose only one answer:

- prodromal phase.
- decline phase.
- incubation period.
- lag phase.

Check the answer of this question online at QuizOver.com:

Question: [The period of time between exposure to an Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-period-of-time-between-exposure-to-an-madison-christian-f?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-period-of-time-between-exposure-to-an-madison-christian-f?pdf=1505>

4.1.300. Inanimate objects capable of transferring infectious disease agents...

Author: Madison Christian

Inanimate objects capable of transferring infectious disease agents are

Please choose only one answer:

- vectors.
- fomites.
- vehicles.
- reservoirs.

Check the answer of this question online at QuizOver.com:

Question: [Inanimate objects capable of transferring Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-inanimate-objects-capable-of-transferring-madison-christian-f?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-inanimate-objects-capable-of-transferring-madison-christian-f?pdf=1505>

4.1.301. Which of the following is recommended by the Standard Precautions g...

Author: Madison Christian

Which of the following is recommended by the Standard Precautions guidelines?

Please choose only one answer:

- glove use
- hand washing
- a face shield
- antibiotic use
- glove use, hand washing AND a face shield

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Which of the following is recommended by Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-which-of-the-following-is-recommended-by-madison-christian-fi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-which-of-the-following-is-recommended-by-madison-christian-fi?pdf=1505>

4.1.302. Approximately what percentage of hospitalized patients may develop ...

Author: Madison Christian

Approximately what percentage of hospitalized patients may develop a nosocomial infection?

Please choose only one answer:

- 0%
- 5%
- 20%
- 70%

Check the answer of this question online at QuizOver.com:

Question: [Approximately what percentage of hospitalized Madison Final Exam](#)

Flashcards:

<http://www.quizover.com/flashcards/question-approximately-what-percentage-of-hospitalized-madison-final-e?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-approximately-what-percentage-of-hospitalized-madison-final-e?pdf=1505>

4.1.303. Which of the following is not a mechanical vector?

Author: Madison Christian

Which of the following is not a mechanical vector?

Please choose only one answer:

- fomite
- human
- fly
- flea
- fomite AND human

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Which of the following is not a mechanical Madison Final Exam Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-which-of-the-following-is-not-a-mechanical-madison-final-exam?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-which-of-the-following-is-not-a-mechanical-madison-final-exam?pdf=1505>

4.1.304. Diseases that primarily exist in animals, but may be transmitted to...

Author: Madison Christian

Diseases that primarily exist in animals, but may be transmitted to humans are called

Please choose only one answer:

- parasitic.
- symbiotic.
- zoonotic.
- epidemic.

Check the answer of this question online at QuizOver.com:

Question: [Diseases that primarily exist in animals Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-diseases-that-primarily-exist-in-animals-madison-christian-fi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-diseases-that-primarily-exist-in-animals-madison-christian-fi?pdf=1505>

4.1.305. The reservoir of infection for botulism and tetanus is

Author: Madison Christian

The reservoir of infection for botulism and tetanus is

Please choose only one answer:

- humans.
- soil.
- water.
- animals.
- soil AND water.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [The reservoir of infection for botulism Madison Christian Final Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-reservoir-of-infection-for-botulism-madison-christian-fin?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-reservoir-of-infection-for-botulism-madison-christian-fin?pdf=1505>

4.1.306. An infection acquired during hospitalization is referred to as

Author: Madison Christian

An infection acquired during hospitalization is referred to as

Please choose only one answer:

- antibiotic-induced.
- therapeutic.
- medication-stimulated.
- nosocomial.

Check the answer of this question online at QuizOver.com:

Question: [An infection acquired during hospitalization Madison Final Exam Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-an-infection-acquired-during-hospitalization-madison-final-ex?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-an-infection-acquired-during-hospitalization-madison-final-ex?pdf=1505>

4.1.307. Large respiratory droplets typically travel no farther from point o...

Author: Madison Christian

Large respiratory droplets typically travel no farther from point of release than

Please choose only one answer:

- 3 meters.
- 5 meters.
- 1 meter.
- 20 meters.

Check the answer of this question online at QuizOver.com:

Question: [Large respiratory droplets typically travel Madison Final Exam Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-large-respiratory-droplets-typically-travel-madison-final-exa?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-large-respiratory-droplets-typically-travel-madison-final-exa?pdf=1505>

4.1.308. Vertical transmission involves

Author: Madison Christian

Vertical transmission involves

Please choose only one answer:

- droplet transmission.
- fomites.
- pasteurization.
- pregnant woman to fetus.

Check the answer of this question online at QuizOver.com:

Question: [Vertical transmission involves Madison Christian Final Exam Practice](#)

Flashcards:

<http://www.quizover.com/flashcards/question-vertical-transmission-involves-madison-christian-final-exam-p?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-vertical-transmission-involves-madison-christian-final-exam-p?pdf=1505>

4.1.309. The World Health Organization (WHO) is part of the

Author: Madison Christian

The World Health Organization (WHO) is part of the

Please choose only one answer:

- Food and Drug Administration.
- Department of Health and Human Services.
- Department of Human Resources.
- United Nations.
- North Atlantic Treaty Organization (NATO).

Check the answer of this question online at QuizOver.com:

Question: [The World Health Organization WHO is part Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-world-health-organization-who-is-part-madison-christian-f?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-world-health-organization-who-is-part-madison-christian-f?pdf=1505>

4.1.310. Because of the natural evolution of microorganisms, it is necessary...

Author: Madison Christian

Because of the natural evolution of microorganisms, it is necessary to use techniques that allow distinguishing them at the level of

Please choose only one answer:

- species.
- genera.
- family.
- strain.

Check the answer of this question online at QuizOver.com:

Question: [Because of the natural evolution of Madison Christian Final Exam](#)

Flashcards:

<http://www.quizover.com/flashcards/question-because-of-the-natural-evolution-of-madison-christian-final-e?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-because-of-the-natural-evolution-of-madison-christian-final-e?pdf=1505>

4.1.311. Which of the following is called a zoonotic disease?

Author: Madison Christian

Which of the following is called a zoonotic disease?

Please choose only one answer:

- measles
- typhoid
- common cold
- plague

Check the answer of this question online at QuizOver.com:

Question: [Which of the following is called a zoonotic Madison Final Exam Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-which-of-the-following-is-called-a-zoonotic-madison-final-exa?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-which-of-the-following-is-called-a-zoonotic-madison-final-exa?pdf=1505>

4.1.312. The doctor responsible for introducing the idea of hand washing bef...

Author: Madison Christian

The doctor responsible for introducing the idea of hand washing before attending patients was

Please choose only one answer:

- Klein.
- Semmelweis.
- Koch.
- Pasteur.

Check the answer of this question online at QuizOver.com:

Question: [The doctor responsible for introducing Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-doctor-responsible-for-introducing-madison-christian-fina?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-doctor-responsible-for-introducing-madison-christian-fina?pdf=1505>

4.1.313. So far, the only disease that has been globally eradicated is

Author: Madison Christian

So far, the only disease that has been globally eradicated is

Please choose only one answer:

- polio
- smallpox
- measles
- diphtheria

Check the answer of this question online at QuizOver.com:

Question: [So far the only disease that has been Madison Christian Final Exam](#)

Flashcards:

<http://www.quizover.com/flashcards/question-so-far-the-only-disease-that-has-been-madison-christian-final?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-so-far-the-only-disease-that-has-been-madison-christian-final?pdf=1505>

4.1.314. Schistosomiasis has increased in areas where

Author: Madison Christian

Schistosomiasis has increased in areas where

Please choose only one answer:

- snails have become a delicacy.
- crayfish are eaten.
- dams have been built.
- swamps have been drained.

Check the answer of this question online at QuizOver.com:

Question: [Schistosomiasis has increased in areas Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-schistosomiasis-has-increased-in-areas-madison-christian-fina?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-schistosomiasis-has-increased-in-areas-madison-christian-fina?pdf=1505>

4.1.315. The target of most antifungal drugs is

Author: Madison Christian

The target of most antifungal drugs is

Please choose only one answer:

- the ribosome.
- nucleus.
- cholesterol.
- ergosterol.
- cholesterol AND ergosterol.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [The target of most antifungal drugs is Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-target-of-most-antifungal-drugs-is-madison-christian-fina?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-target-of-most-antifungal-drugs-is-madison-christian-fina?pdf=1505>

4.1.316. The lowest concentration of a drug that prevents growth of a microo...

Author: Madison Christian

The lowest concentration of a drug that prevents growth of a microorganism is the

Please choose only one answer:

- infectious dose.
- lethal dose.
- effective dose.
- minimum inhibitory concentration.

Check the answer of this question online at QuizOver.com:

Question: [The lowest concentration of a drug that Madison Christian Final Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-lowest-concentration-of-a-drug-that-madison-christian-fin?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-lowest-concentration-of-a-drug-that-madison-christian-fin?pdf=1505>

4.1.317. Mycolic acids are targeted by isoniazid in the treatment of

Author: Madison Christian

Mycolic acids are targeted by isoniazid in the treatment of

Please choose only one answer:

- S. aureus.
- S. epidermidis.
- M. luteus.
- M. tuberculosis.

Check the answer of this question online at QuizOver.com:

Question: [Mycolic acids are targeted by isoniazid Madison Christian Final Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-mycolic-acids-are-targeted-by-isoniazid-madison-christian-fin?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-mycolic-acids-are-targeted-by-isoniazid-madison-christian-fin?pdf=1505>

4.1.318. The most common method of transfer of antimicrobial resistance is t...

Author: Madison Christian

The most common method of transfer of antimicrobial resistance is through the use of

Please choose only one answer:

- viruses.
- R plasmids.
- introns.
- exons.

Check the answer of this question online at QuizOver.com:

Question: [The most common method of transfer of Madison Christian Final Exam](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-most-common-method-of-transfer-of-madison-christian-final?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-most-common-method-of-transfer-of-madison-christian-final?pdf=1505>

4.1.319. Drugs that are bacteriostatic

Author: Madison Christian

Drugs that are bacteriostatic

Please choose only one answer:

- kill bacteria.
- promote bacterial growth.
- inactivate bacterial spores.
- inhibit the growth of bacteria.

Check the answer of this question online at QuizOver.com:

Question: [Drugs that are bacteriostatic Madison Christian Final Exam Practice](#)

Flashcards:

<http://www.quizover.com/flashcards/question-drugs-that-are-bacteriostatic-madison-christian-final-exam-pr?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-drugs-that-are-bacteriostatic-madison-christian-final-exam-pr?pdf=1505>

4.1.320. Trimethoprim and sulfonamides have a(n)

Author: Madison Christian

Trimethoprim and sulfonamides have a(n)

Please choose only one answer:

- antagonistic effect.
- synergistic effect.
- energetic effect.
- subtractive.

Check the answer of this question online at QuizOver.com:

Question: [Trimethoprim and sulfonamides have a n Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-trimethoprim-and-sulfonamides-have-a-n-madison-christian-fina?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-trimethoprim-and-sulfonamides-have-a-n-madison-christian-fina?pdf=1505>

4.1.321. Inhibitors of protein synthesis typically key on

Author: Madison Christian

Inhibitors of protein synthesis typically key on

Please choose only one answer:

- peptidoglycan precursors.
- penicillin-binding proteins.
- ribosomes.
- porin proteins.

Check the answer of this question online at QuizOver.com:

Question: [Inhibitors of protein synthesis typically Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-inhibitors-of-protein-synthesis-typically-madison-christian-f?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-inhibitors-of-protein-synthesis-typically-madison-christian-f?pdf=1505>

4.1.322. Antiviral drugs may target

Author: Madison Christian

Antiviral drugs may target

Please choose only one answer:

- uncoating.
- nucleic acid synthesis.
- viral assembly.
- viral ribosomes.
- uncoating, nucleic acid synthesis AND viral assembly.

Check the answer of this question online at QuizOver.com:

Question: [Antiviral drugs may target Madison Christian Final Exam Practice](#)

Flashcards:

<http://www.quizover.com/flashcards/question-antiviral-drugs-may-target-madison-christian-final-exam-pract?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-antiviral-drugs-may-target-madison-christian-final-exam-pract?pdf=1505>

4.1.323. Fluoroquinolones typically target

Author: Madison Christian

Fluoroquinolones typically target

Please choose only one answer:

- ribosomes.
- penicillin-binding proteins.
- peptidoglycan.
- DNA gyrase.

Check the answer of this question online at QuizOver.com:

Question: [Fluoroquinolones typically target Madison Christian Final Exam Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-fluoroquinolones-typically-target-madison-christian-final-exa?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-fluoroquinolones-typically-target-madison-christian-final-exa?pdf=1505>

4.1.324. Which of the following groups of microorganisms produces antibiotics?

Author: Madison Christian

Which of the following groups of microorganisms produces antibiotics?

Please choose only one answer:

- Penicillium
- Streptomyces
- Bacillus
- All of the choices are correct.
- Penicillium AND Streptomyces

Check the answer of this question online at QuizOver.com:

Question: [Which of the following groups of microorganisms Madison Final Exam](#)

Flashcards:

<http://www.quizover.com/flashcards/question-which-of-the-following-groups-of-microorganisms-madison-final?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-which-of-the-following-groups-of-microorganisms-madison-final?pdf=1505>

4.1.325. One of the earliest researchers to explore the use of chemicals to ...

Author: Madison Christian

One of the earliest researchers to explore the use of chemicals to kill microbial pathogens was

Please choose only one answer:

- Koch.
- Hooke.
- Fleming.
- Ehrlich.

Check the answer of this question online at QuizOver.com:

Question: [One of the earliest researchers to explore Madison Final Exam Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-one-of-the-earliest-researchers-to-explore-madison-final-exam?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-one-of-the-earliest-researchers-to-explore-madison-final-exam?pdf=1505>

4.1.326. The most effective form of penicillin is

Author: Madison Christian

The most effective form of penicillin is

Please choose only one answer:

- A.
- B.
- E.
- G.

Check the answer of this question online at QuizOver.com:

Question: [The most effective form of penicillin is Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-most-effective-form-of-penicillin-is-madison-christian-fi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-most-effective-form-of-penicillin-is-madison-christian-fi?pdf=1505>

4.1.327. Penicillin was discovered by

Author: Madison Christian

Penicillin was discovered by

Please choose only one answer:

- Koch.
- Hooke.
- Fleming.
- Ehrlich.

Check the answer of this question online at QuizOver.com:

Question: [Penicillin was discovered by Madison Christian Final Exam Practice](#)

Flashcards:

<http://www.quizover.com/flashcards/question-penicillin-was-discovered-by-madison-christian-final-exam-pra?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-penicillin-was-discovered-by-madison-christian-final-exam-pra?pdf=1505>

4.1.328. The arsenic compound that proved highly effective in treating syphi...

Author: Madison Christian

The arsenic compound that proved highly effective in treating syphilis was called

Please choose only one answer:

- penicillin.
- sulfa.
- erythromycin.
- Salvarsan.

Check the answer of this question online at QuizOver.com:

Question: [The arsenic compound that proved highly Madison Christian Final Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-arsenic-compound-that-proved-highly-madison-christian-fin?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-arsenic-compound-that-proved-highly-madison-christian-fin?pdf=1505>

4.1.329. Sulfonamides work as

Author: Madison Christian

Sulfonamides work as

Please choose only one answer:

- competitive inhibitors.
- noncompetitive inhibitors.
- ribosome-binding molecules.
- feedback inhibitors.

Check the answer of this question online at QuizOver.com:

Question: [Sulfonamides work as Madison Christian Final Exam Practice for Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-sulfonamides-work-as-madison-christian-final-exam-practice-fo?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-sulfonamides-work-as-madison-christian-final-exam-practice-fo?pdf=1505>

4.1.330. The antimicrobials produced by some molds and bacteria are generall...

Author: Madison Christian

The antimicrobials produced by some molds and bacteria are generally called

Please choose only one answer:

- insecticides.
- biocides.
- antiseptics.
- antibiotics.

Check the answer of this question online at QuizOver.com:

Question: [The antimicrobials produced by some molds Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-antimicrobials-produced-by-some-molds-madison-christian-f?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-antimicrobials-produced-by-some-molds-madison-christian-f?pdf=1505>

4.1.331. Antimicrobials that inhibit the growth of microorganisms have the s...

Author: Madison Christian

Antimicrobials that inhibit the growth of microorganisms have the suffix

Please choose only one answer:

- -cidal.
- -static.
- -anti.
- -genic.

Check the answer of this question online at QuizOver.com:

Question: [Antimicrobials that inhibit the growth of Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-antimicrobials-that-inhibit-the-growth-of-madison-christian-f?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-antimicrobials-that-inhibit-the-growth-of-madison-christian-f?pdf=1505>

4.1.332. Why would antimicrobials that have toxic side effects be used at al...

Author: Madison Christian

Why would antimicrobials that have toxic side effects be used at all (select the BEST reason)?

Please choose only one answer:

- We want the largest possible number of choices of drugs in case a microbe shows resistance. With more possible weapons (even toxic ones), we have greater ability to eliminate infections.
- Every person is different. What is toxic to one person may not be toxic to another person. To eliminate a useful drug because it's toxic to 1% of people treated is a waste.
- Depending on the location of the infection, we may have no choice but to utilize a drug that has some toxic side effects to the patient.
- They shouldn't be used. We have enough of a selection of drugs that we can always select a drug with no toxicity. Drugs with toxicity are simply leftovers-relics from a time when we didn't have as many drug options.

Check the answer of this question online at QuizOver.com:

Question: [Why would antimicrobials that have toxic Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-why-would-antimicrobials-that-have-toxic-madison-christian-fi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-why-would-antimicrobials-that-have-toxic-madison-christian-fi?pdf=1505>

4.1.333. A high therapeutic index is

Author: Madison Christian

A high therapeutic index is

Please choose only one answer:

- more toxic to the patient.
- less toxic to the patient.
- has no effect on the patient.
- has no effect on the pathogen.

Check the answer of this question online at QuizOver.com:

Question: [A high therapeutic index is Madison Christian Final Exam Practice](#)

Flashcards:

<http://www.quizover.com/flashcards/question-a-high-therapeutic-index-is-madison-christian-final-exam-prac?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-a-high-therapeutic-index-is-madison-christian-final-exam-prac?pdf=1505>

4.1.334. Explain how using a combination of two antimicrobial drugs helps pr...

Author: Madison Christian

Explain how using a combination of two antimicrobial drugs helps prevent the development of spontaneously resistant mutants.

Please choose only one answer:

- All drugs work synergistically with each other-that is, their combined effects are far greater than either could achieve individually. Two drugs together helps to eliminate microbes, even if they have developed spontaneous mutations that would confer upon them resistance to the drugs.
- It is highly unlikely that the microbe might spontaneously develop 2 specific mutations to resist the effects of a pair of drugs. As such, even if one drug is resisted by the microbe, the 2nd drug will eliminate the mutated microbe, thus preventing the development of spontaneously resistant mutants overall.
- All drugs work antagonistically with each other-that is, their combined effects are far greater than either could achieve individually. Two drugs together helps to eliminate microbes, even if they have developed spontaneous mutations that would confer upon them resistance to the drugs.
- Drugs can also select for mutations that will enhance the activity of another drug. So, each of the paired drugs will help to select for spontaneous mutations that enhance the activity of the other drug in the pair.

Check the answer of this question online at QuizOver.com:

Question: [Explain how using a combination of two Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-explain-how-using-a-combination-of-two-madison-christian-fina?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-explain-how-using-a-combination-of-two-madison-christian-fina?pdf=1505>

4.1.335. One of the earliest antimicrobials isolated from a bacterium was

Author: Madison Christian

One of the earliest antimicrobials isolated from a bacterium was

Please choose only one answer:

- penicillin.
- ampicillin.
- Salvarsan.
- streptomycin.

Check the answer of this question online at QuizOver.com:

Question: [One of the earliest antimicrobials isolated Madison Final Exam Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-one-of-the-earliest-antimicrobials-isolated-madison-final-exa?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-one-of-the-earliest-antimicrobials-isolated-madison-final-exa?pdf=1505>

4.1.336. The minimum bactericidal concentration is the lowest concentration ...

Author: Madison Christian

The minimum bactericidal concentration is the lowest concentration of a specific antimicrobial drug that kills _____ of a specific type of bacteria.

Please choose only one answer:

- 10%
- 50%
- 99.9%
- 100%

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [The minimum bactericidal concentration is Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-minimum-bactericidal-concentration-is-madison-christian-f?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-minimum-bactericidal-concentration-is-madison-christian-f?pdf=1505>

4.1.337. Antibiotics that affect various strains of Gram-positive bacteria a...

Author: Madison Christian

Antibiotics that affect various strains of Gram-positive bacteria and various strains of Gram-negative bacteria are called

Please choose only one answer:

- isolate usable.
- stress-induced.
- narrow-spectrum.
- broad-spectrum.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Antibiotics that affect various strains Madison Christian Final Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-antibiotics-that-affect-various-strains-madison-christian-fin?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-antibiotics-that-affect-various-strains-madison-christian-fin?pdf=1505>

4.1.338. An antibiotic made by microorganisms and modified by chemists is ca...

Author: Madison Christian

An antibiotic made by microorganisms and modified by chemists is called

Please choose only one answer:

- anti-metabolic.
- catabolic.
- synthetic.
- semi-synthetic.

Check the answer of this question online at QuizOver.com:

Question: [An antibiotic made by microorganisms and Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-an-antibiotic-made-by-microorganisms-and-madison-christian-fi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-an-antibiotic-made-by-microorganisms-and-madison-christian-fi?pdf=1505>

4.1.339. The major class(es) of antibiotics that inhibit protein synthesis i...

Author: Madison Christian

The major class(es) of antibiotics that inhibit protein synthesis is/are

Please choose only one answer:

- aminoglycosides.
- tetracyclines.
- macrolides.
- bacitracins.
- aminoglycosides, tetracyclines AND macrolides.

Check the answer of this question online at QuizOver.com:

Question: [The major class es of antibiotics that Madison Christian Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-major-class-es-of-antibiotics-that-madison-christian-fina?pdf=1505>

Interactive Question:

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