

A&P 02 Chemical Level of Organization MCQ

Author: OpenStax College

Published 2014

Create, Share, and Discover Online Quizzes.

QuizOver.com is an intuitive and powerful online quiz creator. [learn more](#)

Join QuizOver.com



How to Analyze Stocks

By Yasser Ibrahim

1 month ago
12 Responses

© iStock: Thomson Moter



Pre Employment English

By Katharina Jennifer N

5 months ago
19 Responses

© iStock: Albin



Lean Startup Quiz

By Yasser Ibrahim

2 months ago
16 Responses

© iStock: Gekwinih Chou

Powered by QuizOver.com

The Leading Online Quiz & Exam Creator

Create, Share and Discover Quizzes & Exams

<http://www.quizover.com>

Disclaimer

All services and content of QuizOver.com are provided under QuizOver.com terms of use on an "as is" basis, without warranty of any kind, either expressed or implied, including, without limitation, warranties that the provided services and content are free of defects, merchantable, fit for a particular purpose or non-infringing.

The entire risk as to the quality and performance of the provided services and content is with you.

In no event shall QuizOver.com be liable for any damages whatsoever arising out of or in connection with the use or performance of the services.

Should any provided services and content prove defective in any respect, you (not the initial developer, author or any other contributor) assume the cost of any necessary servicing, repair or correction.

This disclaimer of warranty constitutes an essential part of these "terms of use".

No use of any services and content of QuizOver.com is authorized hereunder except under this disclaimer.

The detailed and up to date "terms of use" of QuizOver.com can be found under:

<http://www.QuizOver.com/public/termsOfUse.xhtml>

eBook Content License

Anatomy & Physiology MCQ. OpenStax College. <http://cnx.org/content/col11496/1.6/>

Creative Commons License

Attribution-NonCommercial-NoDerivs 3.0 Unported (CC BY-NC-ND 3.0)

<http://creativecommons.org/licenses/by-nc-nd/3.0/>

You are free to:

Share: copy and redistribute the material in any medium or format

The licensor cannot revoke these freedoms as long as you follow the license terms.

Under the following terms:

Attribution: You must give appropriate credit, provide a link to the license, and indicate if changes were made. You may do so in any reasonable manner, but not in any way that suggests the licensor endorses you or your use.

NonCommercial: You may not use the material for commercial purposes.

NoDerivatives: If you remix, transform, or build upon the material, you may not distribute the modified material.

No additional restrictions: You may not apply legal terms or technological measures that legally restrict others from doing anything the license permits.

4. Chapter: A&P 02 Chemical Level of Organization MCQ

1. A&P 02 Chemical Level of Organization MCQ Questions

4.1.1. Together, just four elements make up more than 95 percent of the bo...

Author: OpenStax College

Together, just four elements make up more than 95 percent of the body's mass. These include _____.

Please choose only one answer:

- calcium, magnesium, iron, and carbon
- oxygen, calcium, iron, and nitrogen
- sodium, chlorine, carbon, and hydrogen
- oxygen, carbon, hydrogen, and nitrogen

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

Question: [Together just four elements make up more OpenStax College Anatomy](#)

Flashcards:

<http://www.quizover.com/flashcards/together-just-four-elements-make-up-more-openstax-college-anatomy?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/together-just-four-elements-make-up-more-openstax-college-anatomy?pdf=1505>

4.1.2. The smallest unit of an element that still retains the distinctive ...

Author: OpenStax College

The smallest unit of an element that still retains the distinctive behavior of that element is an _____.

Please choose only one answer:

- electron
- atom
- elemental particle
- isotope

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

Question: [The smallest unit of an element that still OpenStax College Anatomy](#)

Flashcards:

<http://www.quizover.com/flashcards/the-smallest-unit-of-an-element-that-still-openstax-college-anatomy?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/the-smallest-unit-of-an-element-that-still-openstax-college-anatomy?pdf=1505>

4.1.3. The characteristic that gives an element its distinctive properties...

Author: OpenStax College

The characteristic that gives an element its distinctive properties is its number of _____.

Please choose only one answer:

- protons
- neutrons
- electrons
- atoms

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

Question: [The characteristic that gives an element OpenStax College Anatomy](#)

Flashcards:

<http://www.quizover.com/flashcards/the-characteristic-that-gives-an-element-openstax-college-anatomy?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/the-characteristic-that-gives-an-element-openstax-college-anatomy?pdf=1505>

4.1.4. On the periodic table of the elements, mercury (Hg) has an atomic n...

Author: OpenStax College

On the periodic table of the elements, mercury (Hg) has an atomic number of 80 and a mass number of 200.59.

It has seven stable isotopes. The most abundant of these probably have _____.

Please choose only one answer:

- about 80 neutrons each
- fewer than 80 neutrons each
- more than 80 neutrons each
- more electrons than neutrons

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

Question: [On the periodic table of the elements OpenStax College Anatomy Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/on-the-periodic-table-of-the-elements-openstax-college-anatomy-quest?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/on-the-periodic-table-of-the-elements-openstax-college-anatomy-quest?pdf=1505>

4.1.5. Nitrogen has an atomic number of seven. How many electron shells do...

Author: OpenStax College

Nitrogen has an atomic number of seven. How many electron shells does it likely have?

Please choose only one answer:

- one
- two
- three
- four

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

Question: [Nitrogen has an atomic number of seven. OpenStax College Anatomy](#)

Flashcards:

<http://www.quizover.com/flashcards/nitrogen-has-an-atomic-number-of-seven-openstax-college-anatomy?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/nitrogen-has-an-atomic-number-of-seven-openstax-college-anatomy?pdf=1505>

4.1.6. Which of the following is a molecule, but not a compound?

Author: OpenStax College

Which of the following is a molecule, but not a compound?

Please choose only one answer:

- H₂O
- 2H
- H₂
- H⁺

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

Question: [Which of the following is a molecule but OpenStax College Anatomy](#)

Flashcards:

<http://www.quizover.com/flashcards/which-of-the-following-is-a-molecule-but-openstax-college-anatomy?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/which-of-the-following-is-a-molecule-but-openstax-college-anatomy?pdf=1505>

4.1.7. A molecule of ammonia contains one atom of nitrogen and three atoms...

Author: OpenStax College

A molecule of ammonia contains one atom of nitrogen and three atoms of hydrogen. These are linked with _____.

Please choose only one answer:

- ionic bonds
- nonpolar covalent bonds
- polar covalent bonds
- hydrogen bonds

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

Question: [A molecule of ammonia contains one atom OpenStax College Anatomy](#)

Flashcards:

<http://www.quizover.com/flashcards/a-molecule-of-ammonia-contains-one-atom-openstax-college-anatomy?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/a-molecule-of-ammonia-contains-one-atom-openstax-college-anatomy?pdf=1505>

4.1.8. When an atom donates an electron to another atom, it becomes

Author: OpenStax College

When an atom donates an electron to another atom, it becomes

Please choose only one answer:

- an ion
- an anion
- nonpolar
- all of the above

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

Question: [When an atom donates an electron to another OpenStax College Anatomy](#)

Flashcards:

<http://www.quizover.com/flashcards/when-an-atom-donates-an-electron-to-another-openstax-college-anatomy?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/when-an-atom-donates-an-electron-to-another-openstax-college-anatomy?pdf=1505>

4.1.9. A substance formed of crystals of equal numbers of cations and anio...

Author: OpenStax College

A substance formed of crystals of equal numbers of cations and anions held together by ionic bonds is called a(n) _____.

Please choose only one answer:

- noble gas
- salt
- electrolyte
- dipole

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

Question: [A substance formed of crystals of equal OpenStax College Anatomy](#)

Flashcards:

<http://www.quizover.com/flashcards/a-substance-formed-of-crystals-of-equal-openstax-college-anatomy?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/a-substance-formed-of-crystals-of-equal-openstax-college-anatomy?pdf=1505>

4.1.10. Which of the following statements about chemical bonds is true?

Author: OpenStax College

Which of the following statements about chemical bonds is true?

Please choose only one answer:

- Covalent bonds are stronger than ionic bonds.
- Hydrogen bonds occur between two atoms of hydrogen.
- Bonding readily occurs between nonpolar and polar molecules.
- A molecule of water is unlikely to bond with an ion.

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

Question: [Which of the following statements about OpenStax College Anatomy](#)

Flashcards:

<http://www.quizover.com/flashcards/which-of-the-following-statements-about-openstax-college-anatomy?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/which-of-the-following-statements-about-openstax-college-anatomy?pdf=1505>

4.1.11. The energy stored in a foot of snow on a steep roof is _____.

Author: OpenStax College

The energy stored in a foot of snow on a steep roof is _____.

Please choose only one answer:

- potential energy
- kinetic energy
- radiant energy
- activation energy

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

Question: [The energy stored in a foot of snow on a OpenStax College Anatomy](#)

Flashcards:

<http://www.quizover.com/flashcards/the-energy-stored-in-a-foot-of-snow-on-a-openstax-college-anatomy?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/the-energy-stored-in-a-foot-of-snow-on-a-openstax-college-anatomy?pdf=1505>

4.1.12. The bonding of calcium, phosphorus, and other elements produces min...

Author: OpenStax College

The bonding of calcium, phosphorus, and other elements produces mineral crystals that are found in bone. This is an example of a(n) _____ reaction.

Please choose only one answer:

- catabolic
- synthesis
- decomposition
- exchange

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

Question: [The bonding of calcium phosphorus and OpenStax College Anatomy Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/the-bonding-of-calcium-phosphorus-and-openstax-college-anatomy-quest?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/the-bonding-of-calcium-phosphorus-and-openstax-college-anatomy-quest?pdf=1505>

4.1.13. $AB \rightarrow A + B$ is a general notation for a(n) _____ reaction.

Author: OpenStax College

$AB \rightarrow A + B$ is a general notation for a(n) _____ reaction.

Please choose only one answer:

- anabolic
- endergonic
- decomposition
- exchange

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

Question: [AB - A B is a general notation for a n OpenStax College Anatomy Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/ab-a-b-is-a-general-notation-for-a-n-openstax-college-anatomy-quest?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/ab-a-b-is-a-general-notation-for-a-n-openstax-college-anatomy-quest?pdf=1505>

4.1.14. _____ reactions release energy.

Author: OpenStax College

_____ reactions release energy.

Please choose only one answer:

- Catabolic
- Exergonic
- Decomposition
- Catabolic, exergonic, and decomposition

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

Question: [reactions release energy. OpenStax College Anatomy Physiology 02:](#)

Flashcards:

<http://www.quizover.com/flashcards/reactions-release-energy-openstax-college-anatomy-physiology-02?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/reactions-release-energy-openstax-college-anatomy-physiology-02?pdf=1505>

4.1.15. Which of the following combinations of atoms is most likely to resu...

Author: OpenStax College

Which of the following combinations of atoms is most likely to result in a chemical reaction?

Please choose only one answer:

- hydrogen and hydrogen
- hydrogen and helium
- helium and helium
- neon and helium

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

Question: [Which of the following combinations of OpenStax College Anatomy Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/which-of-the-following-combinations-of-openstax-college-anatomy-quest?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/which-of-the-following-combinations-of-openstax-college-anatomy-quest?pdf=1505>

4.1.16. Chewing a bite of bread mixes it with saliva and facilitates its ch...

Author: OpenStax College

Chewing a bite of bread mixes it with saliva and facilitates its chemical breakdown. This is most likely due to the fact that _____.

Please choose only one answer:

- the inside of the mouth maintains a very high temperature
- chewing stores potential energy
- chewing facilitates synthesis reactions
- saliva contains enzymes

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

Question: [Chewing a bite of bread mixes it with OpenStax College Anatomy Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/chewing-a-bite-of-bread-mixes-it-with-openstax-college-anatomy-quest?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/chewing-a-bite-of-bread-mixes-it-with-openstax-college-anatomy-quest?pdf=1505>

4.1.17. CH₄ is methane. This compound is _____.

Author: OpenStax College

CH₄ is methane. This compound is _____.

Please choose only one answer:

- inorganic
- organic
- reactive
- a crystal

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

Question: [CH₄ is methane. This compound is . OpenStax College Anatomy](#)

Flashcards:

<http://www.quizover.com/flashcards/ch4-is-methane-this-compound-is-openstax-college-anatomy?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/ch4-is-methane-this-compound-is-openstax-college-anatomy?pdf=1505>

4.1.18. Which of the following is most likely to be found evenly distribute...

Author: OpenStax College

Which of the following is most likely to be found evenly distributed in water in a homogeneous solution?

Please choose only one answer:

- sodium ions and chloride ions
- NaCl molecules
- salt crystals
- red blood cells

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

Question: [Which of the following is most likely to OpenStax College Anatomy](#)

Flashcards:

<http://www.quizover.com/flashcards/which-of-the-following-is-most-likely-to-openstax-college-anatomy?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/which-of-the-following-is-most-likely-to-openstax-college-anatomy?pdf=1505>

4.1.19. Jenny mixes up a batch of pancake batter, then stirs in some chocol...

Author: OpenStax College

Jenny mixes up a batch of pancake batter, then stirs in some chocolate chips.

As she is waiting for the first few pancakes to cook, she notices the chocolate chips sinking to the bottom of the clear glass mixing bowl.

The chocolatechip batter is an example of a _____.

Please choose only one answer:

- solvent
- solute
- solution
- suspension

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

Question: [Jenny mixes up a batch of pancake batter OpenStax College Anatomy](#)

Flashcards:

<http://www.quizover.com/flashcards/jenny-mixes-up-a-batch-of-pancake-batter-openstax-college-anatomy?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/jenny-mixes-up-a-batch-of-pancake-batter-openstax-college-anatomy?pdf=1505>

4.1.20. A substance dissociates into K^+ and Cl^- in solution. The substance ...

Author: OpenStax College

A substance dissociates into K^+ and Cl^- in solution. The substance is a(n) _____.

Please choose only one answer:

- acid
- base
- salt
- buffer

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

Question: [A substance dissociates into K and Cl- in OpenStax College Anatomy](#)

Flashcards:

<http://www.quizover.com/flashcards/a-substance-dissociates-into-k-and-cl-in-openstax-college-anatomy?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/a-substance-dissociates-into-k-and-cl-in-openstax-college-anatomy?pdf=1505>

4.1.21. Ty is three years old and as a result of a "stomach bug" has been v...

Author: OpenStax College

Ty is three years old and as a result of a "stomach bug" has been vomiting for about 24 hours. His blood pH is 7.48. What does this mean?

Please choose only one answer:

- Ty's blood is slightly acidic.
- Ty's blood is slightly alkaline.
- Ty's blood is highly acidic.
- Ty's blood is within the normal range

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

Question: [Ty is three years old and as a result of OpenStax College Anatomy](#)

Flashcards:

<http://www.quizover.com/flashcards/ty-is-three-years-old-and-as-a-result-of-openstax-college-anatomy?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/ty-is-three-years-old-and-as-a-result-of-openstax-college-anatomy?pdf=1505>

4.1.22. C₆H₁₂O₆ is the chemical formula for a _____.

Author: OpenStax College

C₆H₁₂O₆ is the chemical formula for a _____.

Please choose only one answer:

- polymer of carbohydrate
- pentose monosaccharide
- hexose monosaccharide
- all of the above

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

Question: [C₆H₁₂O₆ is the chemical formula for a . OpenStax College Anatomy](#)

Flashcards:

<http://www.quizover.com/flashcards/c6h12o6-is-the-chemical-formula-for-a-openstax-college-anatomy?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/c6h12o6-is-the-chemical-formula-for-a-openstax-college-anatomy?pdf=1505>

4.1.23. What organic compound do brain cells primarily rely on for fuel?

Author: OpenStax College

What organic compound do brain cells primarily rely on for fuel?

Please choose only one answer:

- glucose
- glycogen
- galactose
- glycerol

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

Question: [What organic compound do brain cells OpenStax College Anatomy Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/what-organic-compound-do-brain-cells-openstax-college-anatomy-quest?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/what-organic-compound-do-brain-cells-openstax-college-anatomy-quest?pdf=1505>

4.1.24. Which of the following is a functional group that is part of a buil...

Author: OpenStax College

Which of the following is a functional group that is part of a building block of proteins?

Please choose only one answer:

- phosphate
- adenine
- amino
- ribose

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

Question: [Which of the following is a functional OpenStax College Anatomy Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/which-of-the-following-is-a-functional-openstax-college-anatomy-quest?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/which-of-the-following-is-a-functional-openstax-college-anatomy-quest?pdf=1505>

4.1.25. A pentose sugar is a part of the monomer used to build which type o...

Author: OpenStax College

A pentose sugar is a part of the monomer used to build which type of macromolecule?

Please choose only one answer:

- polysaccharides
- nucleic acids
- phosphorylated glucose
- glycogen

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

Question: [A pentose sugar is a part of the monomer OpenStax College Anatomy](#)

Flashcards:

<http://www.quizover.com/flashcards/a-pentose-sugar-is-a-part-of-the-monomer-openstax-college-anatomy?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/a-pentose-sugar-is-a-part-of-the-monomer-openstax-college-anatomy?pdf=1505>

4.1.26. A phospholipid _____.

Author: OpenStax College

A phospholipid _____.

Please choose only one answer:

- has both polar and nonpolar regions
- is made up of a triglyceride bonded to a phosphate group
- is a building block of ATP
- can donate both cations and anions in solution

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

Question: [A phospholipid . OpenStax College Anatomy Physiology 02: Chemical](#)

Flashcards:

<http://www.quizover.com/flashcards/a-phospholipid-openstax-college-anatomy-physiology-02-chemical?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/a-phospholipid-openstax-college-anatomy-physiology-02-chemical?pdf=1505>

4.1.27. In DNA, nucleotide bonding forms a compound with a characteristic s...

Author: OpenStax College

In DNA, nucleotide bonding forms a compound with a characteristic shape known as a(n) _____.

Please choose only one answer:

- beta chain
- pleated sheet
- alpha helix
- double helix

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

Question: [In DNA nucleotide bonding forms a compound OpenStax College Anatomy](#)

Flashcards:

<http://www.quizover.com/flashcards/in-dna-nucleotide-bonding-forms-a-compound-openstax-college-anatomy?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/in-dna-nucleotide-bonding-forms-a-compound-openstax-college-anatomy?pdf=1505>

4.1.28. Uracil _____.

Author: OpenStax College

Uracil _____.

Please choose only one answer:

- contains nitrogen
- is a pyrimidine
- is found in RNA
- all of the above

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

Question: [Uracil . OpenStax College Anatomy Physiology 02: Chemical Organizat](#)

Flashcards:

<http://www.quizover.com/flashcards/uracil-openstax-college-anatomy-physiology-02-chemical-organizat?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/uracil-openstax-college-anatomy-physiology-02-chemical-organizat?pdf=1505>

4.1.29. The ability of an enzyme's active sites to bind only substrates of ...

Author: OpenStax College

The ability of an enzyme's active sites to bind only substrates of compatible shape and charge is known as _____.

Please choose only one answer:

- selectivity
- specificity
- subjectivity
- specialty

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

Question: [The ability of an enzyme's active sites OpenStax College Anatomy](#)

Flashcards:

<http://www.quizover.com/flashcards/the-ability-of-an-enzyme-s-active-sites-openstax-college-anatomy?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/the-ability-of-an-enzyme-s-active-sites-openstax-college-anatomy?pdf=1505>