

# Natural Sciences

## Biology 21

### Viruses MCQ

Author: OpenStax College

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## 4. Chapter: Biology 21 Viruses MCQ

### 1. Biology 21 Viruses MCQ Questions

#### 4.1.1. Which statement is true?

Author: OpenStax College

Which statement is true?

Please choose only one answer:

- A virion contains DNA and RNA.
- Viruses are acellular.
- Viruses replicate outside of the cell.
- Most viruses are easily visualized with a light microscope.

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

Question: [Which statement is true OpenStax College Biology 21 Viruses MCQ Quest](#)

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4.1.2. The viral \_\_\_\_\_ plays a role in attaching a virion to the host c...

Author: OpenStax College

The viral \_\_\_\_\_ plays a role in attaching a virion to the host cell.

Please choose only one answer:

- core
- capsid
- envelope
- both b and c

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

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### 4.1.3. Viruses\_\_\_\_\_.

Author: OpenStax College

Viruses\_\_\_\_\_.

Please choose only one answer:

- all have a round shape
- cannot have a long shape
- do not maintain any shape
- vary in shape

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

Question: [Viruses . OpenStax College Biology 21 MCQ Quest](#)

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#### 4.1.4. Which statement is not true of viral replication?

Author: OpenStax College

Which statement is not true of viral replication?

Please choose only one answer:

- A lysogenic cycle kills the host cell.
- There are six basic steps in the viral replication cycle.
- Viral replication does not affect host cell function.
- Newly released virions can infect adjacent cells.

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

Question: [Which statement is not true of viral OpenStax College Biology 21](#)

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#### 4.1.5. Which statement is true of viral replication?

Author: OpenStax College

Which statement is true of viral replication?

Please choose only one answer:

- In the process of apoptosis, the cell survives.
- During attachment, the virus attaches at specific sites on the cell surface.
- The viral capsid helps the host cell produce more copies of the viral genome.
- mRNA works outside of the host cell to produce enzymes and proteins.

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

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#### 4.1.6. Which statement is true of reverse transcriptase?

Author: OpenStax College

Which statement is true of reverse transcriptase?

Please choose only one answer:

- It is a nucleic acid.
- It infects cells.
- It transcribes RNA to make DNA.
- It is a lipid.

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

Question: [Which statement is true of reverse OpenStax College Biology 21 Quest](#)

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4.1.7. Oncogenic virus cores can be\_\_\_\_\_.

Author: OpenStax College

Oncogenic virus cores can be\_\_\_\_\_.

Please choose only one answer:

- RNA
- DNA
- neither RNA nor DNA
- either RNA or DNA

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

Question: [Oncogenic virus cores can be . OpenStax College Biology 21 Viruses](#)

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#### 4.1.8. Which is true of DNA viruses?

Author: OpenStax College

Which is true of DNA viruses?

Please choose only one answer:

- They use the host cell's machinery to produce new copies of their genome.
- They all have envelopes.
- They are the only kind of viruses that can cause cancer.
- They are not important plant pathogens.

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

Question: [Which is true of DNA viruses OpenStax College Biology 21 MCQ Quest](#)

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4.1.9. A bacteriophage can infect \_\_\_\_\_.

Author: OpenStax College

A bacteriophage can infect \_\_\_\_\_.

Please choose only one answer:

- the lungs
- viruses
- prions
- bacteria

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

Question: [A bacteriophage can infect . OpenStax College Biology 21 Viruses](#)

Flashcards:

<http://www.quizover.com/flashcards/a-bacteriophage-can-infect-openstax-college-biology-21-viruses?pdf=1505>

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#### 4.1.10. Which of the following is NOT used to treat active viral disease?

Author: OpenStax College

Which of the following is NOT used to treat active viral disease?

Please choose only one answer:

- vaccines
- antiviral drugs
- antibiotics
- phage therapy

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

Question: [Which of the following is NOT used to OpenStax College Biology 21](#)

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#### 4.1.11. Vaccines\_\_\_\_\_.

Author: OpenStax College

Vaccines\_\_\_\_\_.

Please choose only one answer:

- are similar to viroids
- are only needed once
- kill viruses
- stimulate an immune response

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

Question: [Vaccines . OpenStax College Biology 21 Viruses MCQ Quest](#)

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#### 4.1.12. Which of the following is not associated with prions?

Author: OpenStax College

Which of the following is not associated with prions?

Please choose only one answer:

- replicating shapes
- mad cow disease
- DNA
- toxic proteins

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

Question: [Which of the following is not associated OpenStax College Biology](#)

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#### 4.1.13. Which statement is true of viroids?

Author: OpenStax College

Which statement is true of viroids?

Please choose only one answer:

- They are single-stranded RNA particles.
- They reproduce only outside of the cell.
- They produce proteins.
- They affect both plants and animals.

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

Question: [Which statement is true of viroids OpenStax College Biology 21 Quest](#)

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