

Biology 05

Plasma

Membranes

Structure

& Function

Author: OpenStax College

Published 2015

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4. Chapter: Biology 05 Plasma Membranes Structure & Function

1. Biology 05 Plasma Membranes Structure & Function Questions

4.1.1. Which plasma membrane component can be either found on its surface ...

Author: OpenStax College

Which plasma membrane component can be either found on its surface or embedded in the membrane structure?

Please choose only one answer:

- protein
- cholesterol
- carbohydrate
- phospholipid

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

Question: [Which plasma membrane component can be OpenStax College Biology 0](#)

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4.1.2. Which characteristic of a phospholipid contributes to the fluidity ...

Author: OpenStax College

Which characteristic of a phospholipid contributes to the fluidity of the membrane?

Please choose only one answer:

- its head
- cholesterol
- a saturated fatty acid tail
- double bonds in the fatty acid tail

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

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4.1.3. What is the primary function of carbohydrates attached to the exter...

Author: OpenStax College

What is the primary function of carbohydrates attached to the exterior of cell membranes?

Please choose only one answer:

- identification of the cell
- flexibility of the membrane
- strengthening the membrane
- channels through membrane

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

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4.1.4. Water moves via osmosis _____.

Author: OpenStax College

Water moves via osmosis _____.

Please choose only one answer:

- throughout the cytoplasm
- from an area with a high concentration of other solutes to a lower one
- from an area with a high concentration of water to one of lower concentration
- from an area with a low concentration of water to one of higher concentration

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

Question: [Water moves via osmosis . OpenStax College Biology 05 Plasma Quest](#)

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4.1.5. The principal force driving movement in diffusion is the _____.

Author: OpenStax College

The principal force driving movement in diffusion is the _____.

Please choose only one answer:

- temperature
- particle size
- concentration gradient
- membrane surface area

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

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4.1.6. What problem is faced by organisms that live in fresh water?

Author: OpenStax College

What problem is faced by organisms that live in fresh water?

Please choose only one answer:

- Their bodies tend to take in too much water.
- They have no way of controlling their tonicity.
- Only salt water poses problems for animals that live in it.
- Their bodies tend to lose too much water to their environment.

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

Question: [What problem is faced by organisms that OpenStax College Biology](#)

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4.1.7. Active transport must function continuously because _____.

Author: OpenStax College

Active transport must function continuously because _____.

Please choose only one answer:

- plasma membranes wear out
- not all membranes are amphiphilic
- facilitated transport opposes active transport
- diffusion is constantly moving solutes in opposite directions

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

Question: [Active transport must function continuously OpenStax College Biology](#)

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4.1.8. How does the sodium-potassium pump make the interior of the cell ne...

Author: OpenStax College

How does the sodium-potassium pump make the interior of the cell negatively charged?

Please choose only one answer:

- by expelling anions
- by pulling in anions
- by expelling more cations than are taken in
- by taking in and expelling an equal number of cations

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

Question: [How does the sodium-potassium pump make OpenStax College Biology](#)

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4.1.9. What is the combination of an electrical gradient and a concentrati...

Author: OpenStax College

What is the combination of an electrical gradient and a concentration gradient called?

Please choose only one answer:

- potential gradient
- electrical potential
- concentration potential
- electrochemical gradient

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

Question: [What is the combination of an electrical OpenStax College Biology](#)

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4.1.10. What happens to the membrane of a vesicle after exocytosis?

Author: OpenStax College

What happens to the membrane of a vesicle after exocytosis?

Please choose only one answer:

- It leaves the cell.
- It is disassembled by the cell.
- It fuses with and becomes part of the plasma membrane.
- It is used again in another exocytosis event.

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

Question: [What happens to the membrane of a vesicle OpenStax College Biology](#)

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4.1.11. Which transport mechanism can bring whole cells into a cell?

Author: OpenStax College

Which transport mechanism can bring whole cells into a cell?

Please choose only one answer:

- pinocytosis
- phagocytosis
- facilitated transport
- primary active transport

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

Question: [Which transport mechanism can bring whole OpenStax College Biology](#)

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4.1.12. In what important way does receptor-mediated endocytosis differ fro...

Author: OpenStax College

In what important way does receptor-mediated endocytosis differ from phagocytosis?

Please choose only one answer:

- It transports only small amounts of fluid.
- It does not involve the pinching off of membrane.
- It brings in only a specifically targeted substance.
- It brings substances into the cell, while phagocytosis removes substances.

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

Question: [In what important way does receptor-mediated OpenStax College Biology](#)

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