

Active and Passive Transport (Worksheet)

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Q1. Which of these 2 processes is energy-requiring? Explain why. (1 mark)

- A) Diffusion
- B) Osmosis
- C) Facilitated diffusion
- D) Active transport

Q2. Which of these is the best example of the active transport of water?

- A) Diffusion
- B) Osmosis
- C) Facilitated diffusion
- D) Active transport

Diagram:

Q3. Which of the following is a type of passive transport?

- A) Diffusion
- B) Osmosis
- C) Facilitated diffusion
- D) Active transport

Q4. Which of the following substances passes through the cell membrane by simple diffusion?

- A) Glucose
- B) Water
- C) Potassium
- D) Chloride

Q5. Which of the following statements about the cell membrane is false?

- A) It is made up of phospholipid bilayers.
- B) It is selectively permeable, that is, it allows some substances to pass through it, but not others.
- C) It controls the passage of the cell and regulates what enters and exits the cell.
- D) It is composed of proteins, which are involved in active transport.

Q6. The diagram shows the movement of the water across the membrane from left to right.

What type of transport process is the diagram above showing?

- A) Facilitated diffusion
- B) Osmosis
- C) Active transport

Q7. Which one of the following series is opposite to the movement of substances from high concentration to low concentration through transport across the cell membrane without using energy?

- A) Diffusion
- B) Osmosis
- C) Facilitated diffusion
- D) Active transport

Q8. Which one of the following terms is different to the diffusion of water through a cell membrane?

- A) Facilitated
- B) Osmosis
- C) Passive
- D) Active

Q9. Which of the following processes about active transport is false?

- A) In active transport, particles move against the concentration gradient.
- B) Energy is required in active transport.
- C) In active transport, particles move from higher concentration to lower concentration.
- D) The protein channels going to proteins of active transport.

Q10. Which one of the following terms is different to the ability to move in a certain condition?

- A) Diffusion
- B) Facilitated
- C) Passive
- D) Active

Q11. Which type of transport moves along the concentration gradient in the high diffusion?

- A) Facilitated
- B) Osmosis
- C) Passive
- D) Active

Q12. The loss of glucose _____ is the simplest form of diabetes.

- A) Facilitated
- B) Osmosis
- C) Passive
- D) Active

Active and Passive Transport (Worksheet)

Q1. Which of the following is the energy used in active transport?

- A) The movement of passive transport
- B) The movement of osmosis
- C) The movement of diffusion
- D) The movement of active transport

Q2. Which of the following is a type of active transport?

- A) The movement of passive transport
- B) The movement of osmosis
- C) The movement of diffusion
- D) The movement of active transport

Q3. Which of the following is a type of passive transport?

- A) The movement of passive transport
- B) The movement of osmosis
- C) The movement of diffusion
- D) The movement of active transport

Q4. Which of the following is a type of osmosis?

- A) The movement of passive transport
- B) The movement of osmosis
- C) The movement of diffusion
- D) The movement of active transport

Q5. Which of the following is a type of diffusion?

- A) The movement of passive transport
- B) The movement of osmosis
- C) The movement of diffusion
- D) The movement of active transport

Q6. Which of the following is a type of passive transport?

- A) The movement of passive transport
- B) The movement of osmosis
- C) The movement of diffusion
- D) The movement of active transport

Active And Passive Transport Answers

Ignacio Tinoco

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Table of Contents Active And Passive Transport Answers

1. Understanding the eBook Active And Passive Transport Answers
 - The Rise of Digital Reading Active And Passive Transport Answers
 - Advantages of eBooks Over Traditional Books
2. Identifying Active And Passive Transport Answers
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Active And Passive Transport Answers
 - User-Friendly Interface
4. Exploring eBook Recommendations from Active And Passive Transport Answers
 - Personalized Recommendations
 - Active And Passive Transport Answers User Reviews and Ratings

- Active And Passive Transport Answers and Bestseller Lists
- 5. Accessing Active And Passive Transport Answers Free and Paid eBooks
 - Active And Passive Transport Answers Public Domain eBooks
 - Active And Passive Transport Answers eBook Subscription Services
 - Active And Passive Transport Answers Budget-Friendly Options
- 6. Navigating Active And Passive Transport Answers eBook Formats
 - ePUB, PDF, MOBI, and More
 - Active And Passive Transport Answers Compatibility with Devices
 - Active And Passive Transport Answers Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Active And Passive Transport Answers
 - Highlighting and Note-Taking Active And Passive Transport Answers
 - Interactive Elements Active And Passive Transport Answers
- 8. Staying Engaged with Active And Passive Transport Answers
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Active And Passive Transport Answers
- 9. Balancing eBooks and Physical Books Active And Passive Transport Answers
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Active And Passive Transport Answers
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Active And Passive Transport Answers
 - Setting Reading Goals Active And Passive Transport Answers
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Active And Passive Transport Answers
 - Fact-Checking eBook Content of Active And Passive Transport Answers
 - Distinguishing Credible Sources

13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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