

Exploration Student Worksheet: Cell Transport

Overview

Every living cell is surrounded by a cell membrane. In this Exploration, you transport ions and molecules across the cell membrane.

Questions

1. Differentiate between active and passive transport.

2. Explain the process of facilitated diffusion. Give an example of an ion or molecule which is transported across the cell membrane through this process.

3. Describe the structure of the cell membrane, and its primary function.

Name _____ Date _____

4. Explain the difference between intracellular and extracellular transport.

5. Explain the difference between phagocytosis and pinocytosis.

6. Give an example of a nutrient that is transported actively in the human body.

7. Explain the difference between ion pumps and gated channels.

Name _____ Date _____

8. Passive transport, active transport, and facilitated diffusion are shown in the Exploration. List any other form of specialized cell transport and explain it in brief.

9. Explain the processes of exocytosis and endocytosis.

10. List two factors that can affect the rate of cell transport.