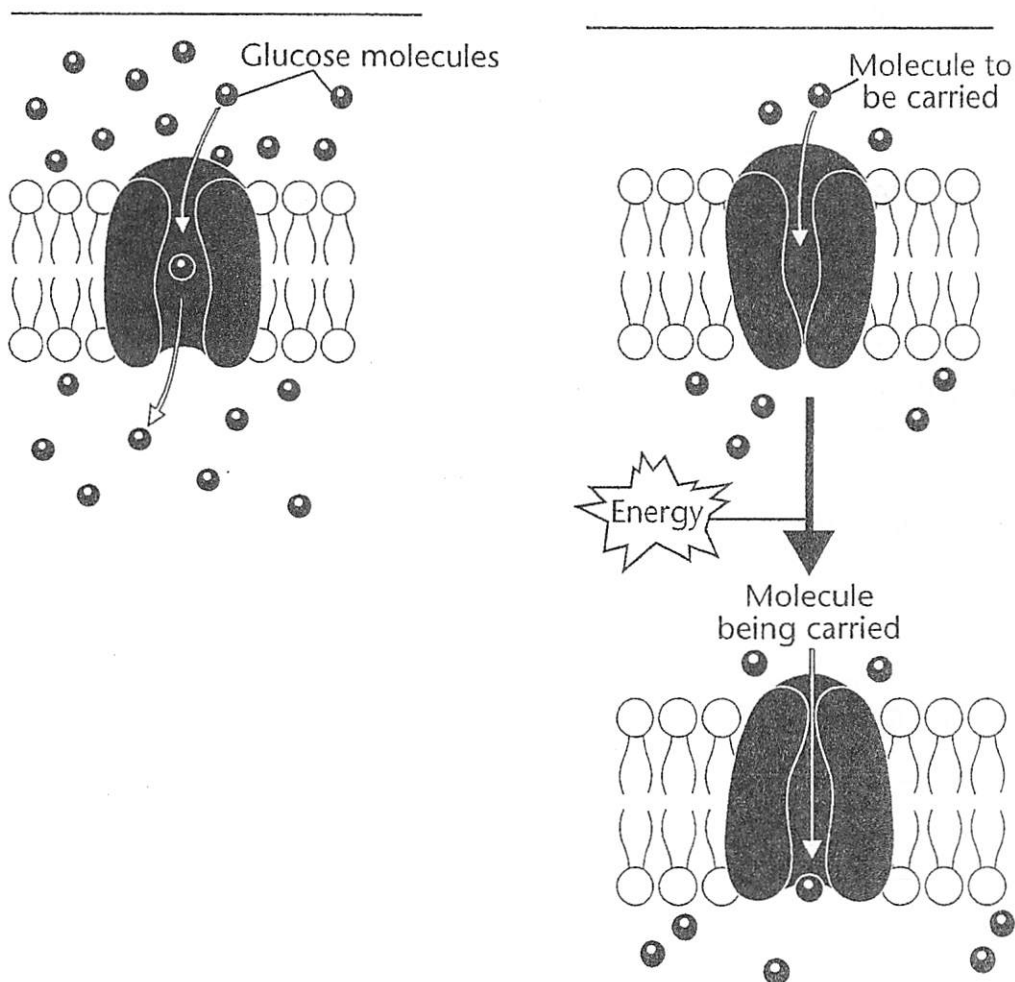


Facilitated Diffusion and Active Transport

Facilitated diffusion occurs when a substance diffuses across the cell membrane through a protein channel. Active transport occurs when the cell uses energy to carry a substance across the cell membrane.

Look at the diagrams. Label each as either facilitated diffusion or active transport.



Use the diagram to answer the questions.

1. Which process can move molecules from a lower concentration solution on one side of the membrane to a higher concentration solution on the other side?

2. Which process does not require energy?

Chapter 7 Cell Structure and Function **Section Review 7-3**

Reviewing Key Concepts

Short Answer *On the lines provided, answer the following questions.*

1. What are two functions of the cell membrane?

2. What happens to a higher concentration of dissolved molecules on one side of a cell membrane during the process of diffusion?

3. What is osmosis?

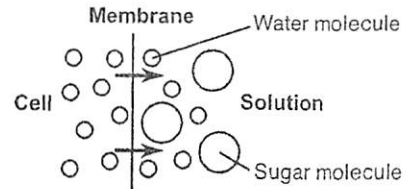
Completion *On the lines provided, complete the following sentences.*

4. During the process of _____, a molecule such as glucose must use a protein channel to cross through a cell membrane.
5. For a molecule to move from an area of low concentration to high concentration, the process of _____ must occur.

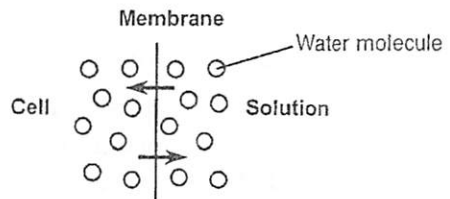
Reviewing Key Skills

Interpreting Graphics *On the lines provided, identify each diagram as showing an isotonic, a hypotonic, or a hypertonic solution inside the cell and describe how the concentration of water molecules will affect the shape of the cell.*

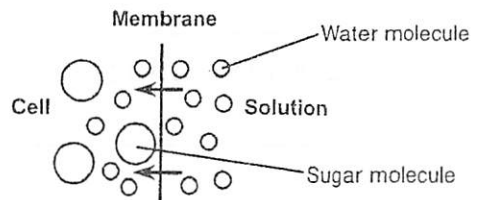
6. _____



7. _____



8. _____



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