

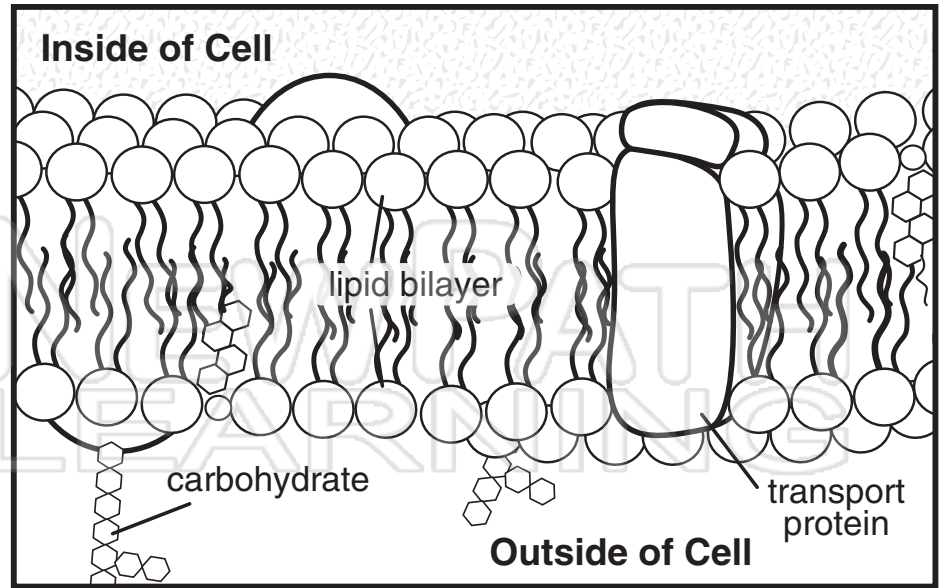


Osmosis & Diffusion

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Name _____ Class _____ Date _____

Each cell has a **cell membrane** which provides structure and **regulates** the passage of materials between the cell and its environment. It consists of two layers composed of proteins and lipids. The cell membrane is known as a **semipermeable membrane** since it allows only **certain substances** to move into and out of the cell.



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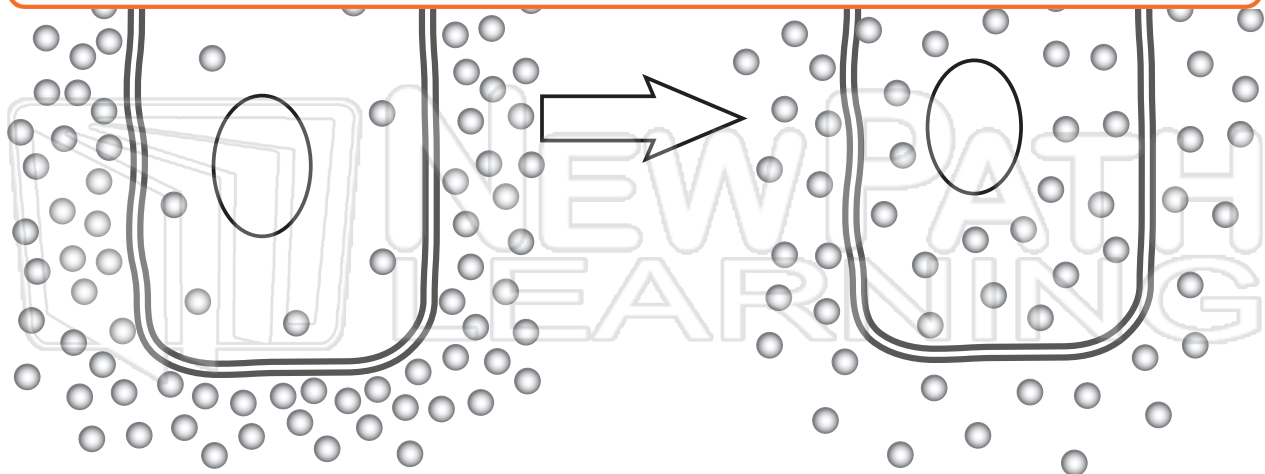


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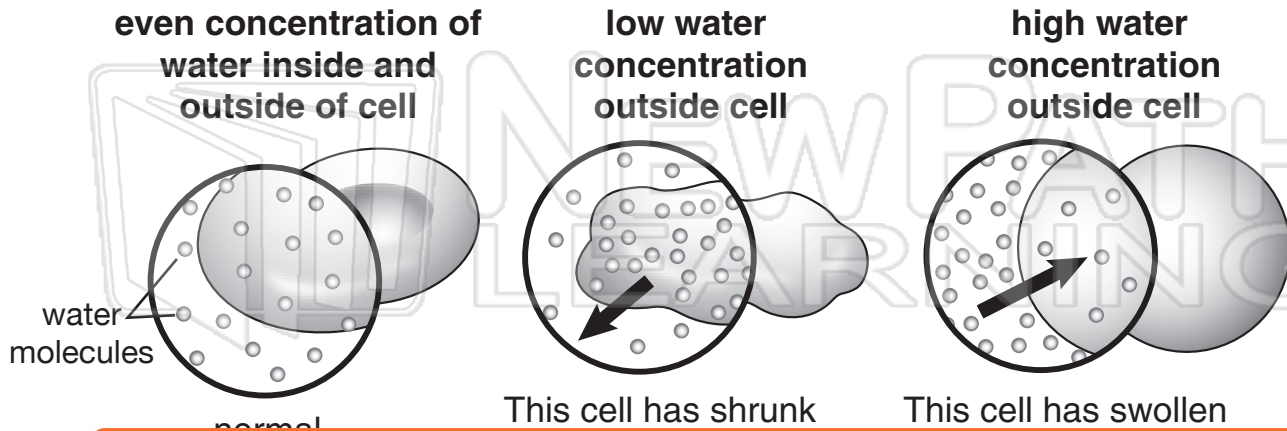


Osmosis & Diffusion

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Osmosis

Osmosis is the **diffusion of water molecules** across a semipermeable membrane. The movement of water into and out of cells depends on osmosis.

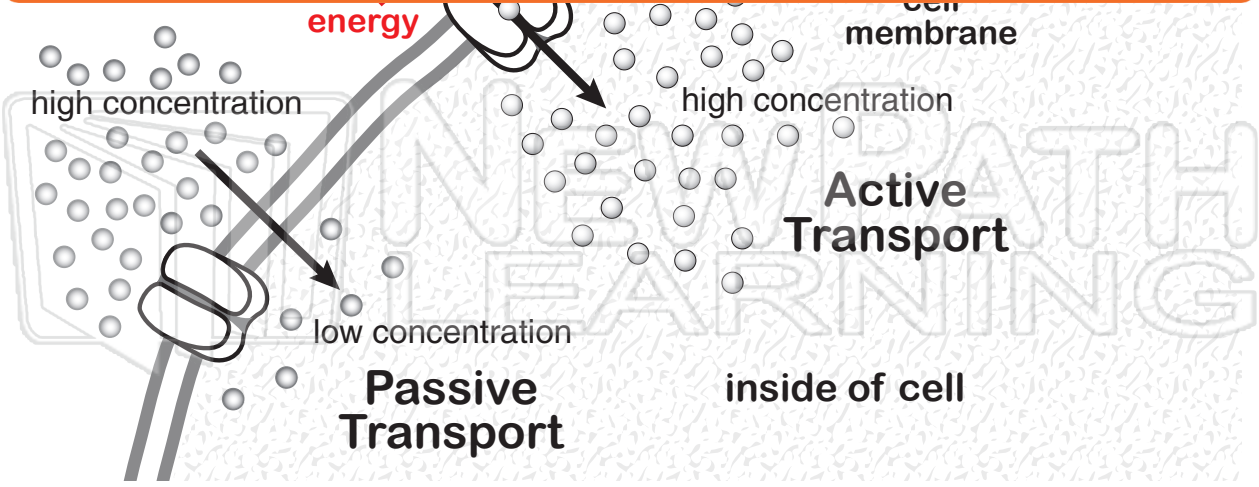


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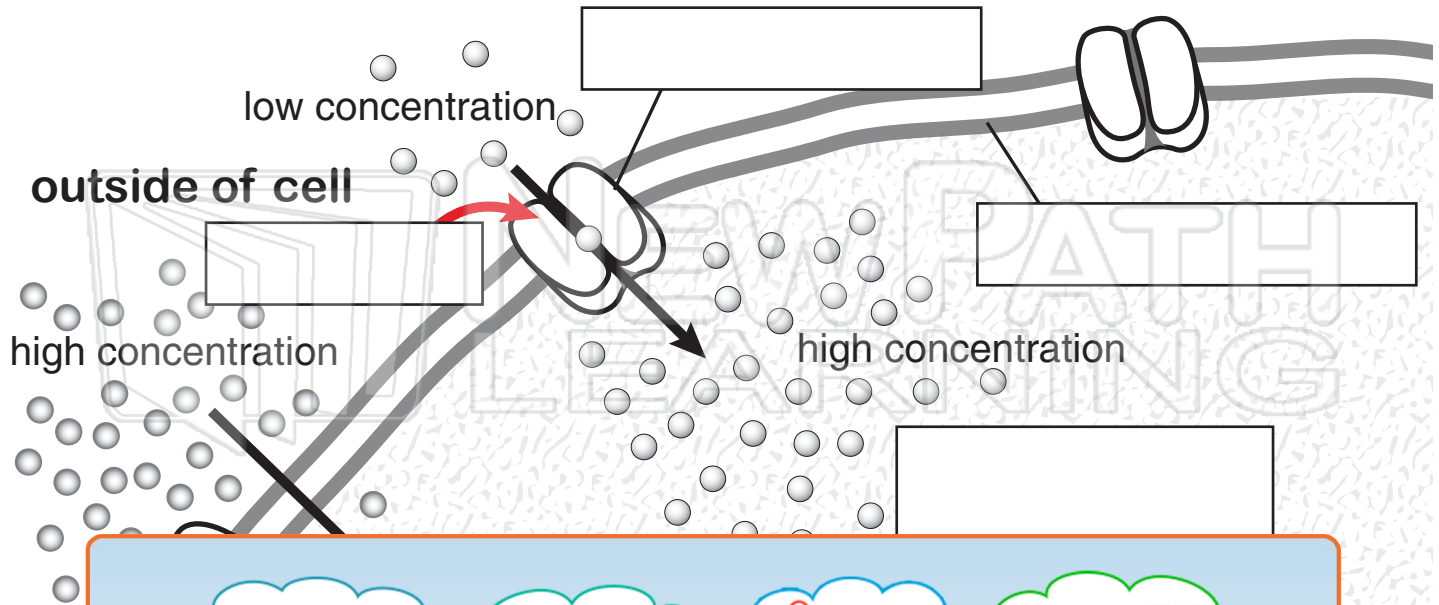


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Label the illustration. Answer the questions below.



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What is **passive transport**? _____

What is **active transport**? _____



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Use the graphic organizer to compare and contrast Osmosis and Diffusion.

Osmosis

Diffusion



PREVIEW

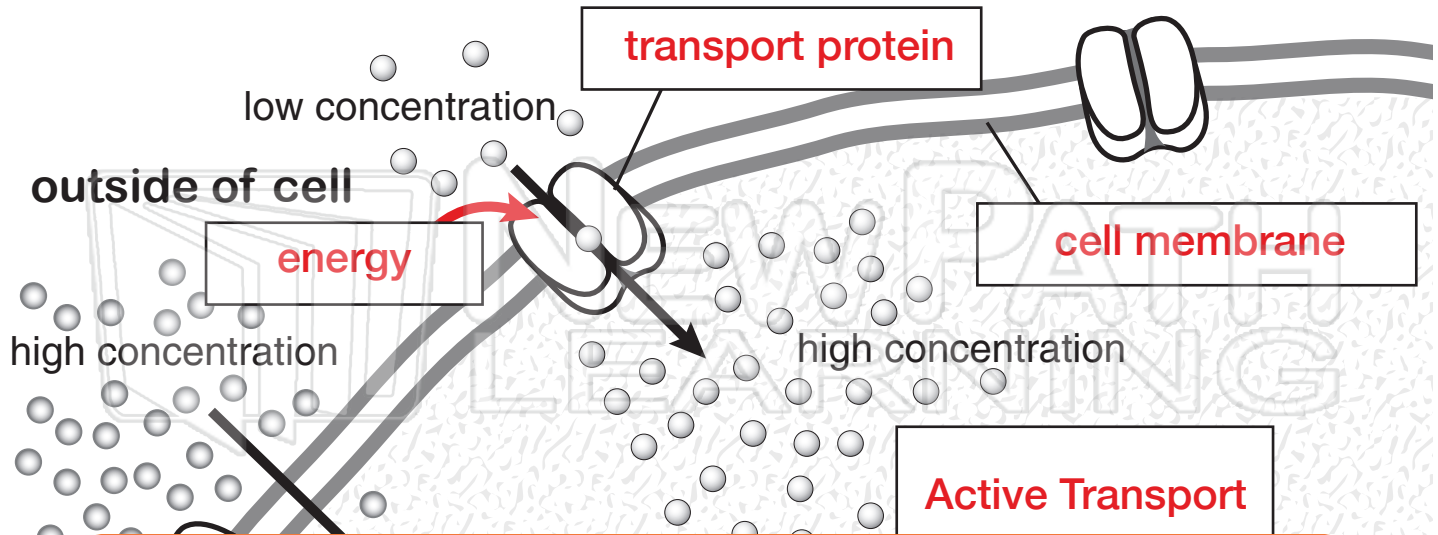
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Answer Key

Label the illustration. Answer the questions below.



PREVIEW

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What is passive transport? It's the transport of materials from high to low concentration, through a cell membrane, without the use of energy.

What is active transport? It's the transport of materials from low to high concentration, through a cell membrane, using energy.



Answer Key - example

Use the graphic organizer to compare and contrast Osmosis and Diffusion.

