Name:_____

Period:_____

Unit 3 Topic 3

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Cellular Transport Diagrams

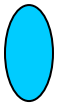
Key:


Large Solute

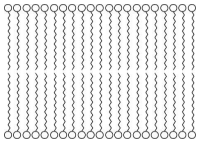

Small Solute


Water Molecule


Channel (Transport) Protein


Protein Pump

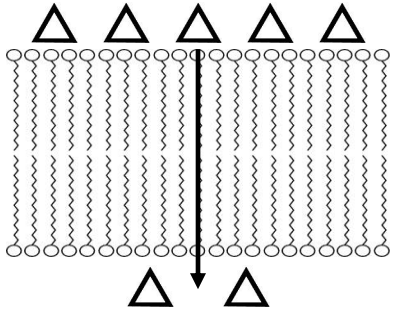

Energy


Phospholipid Bilayer in Cell Membrane

Directions: Four types of cell transport are shown below. Circle the terms that make each statement correct for each type of transport.

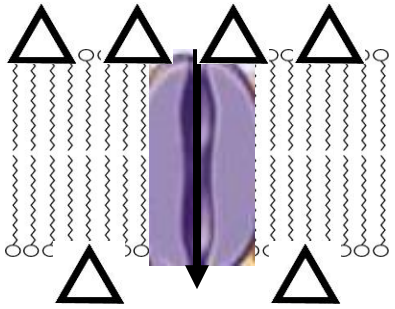
Diffusion:

1. Solutes move from **high to low / low to high** concentration.
2. Solutes move **down / up** the concentration gradient.
3. **Passive / Active** transport.



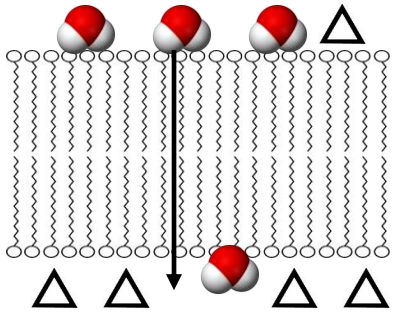
Facilitated Diffusion:

1. Solutes move from **high to low / low to high** concentration.
2. Solutes move **down / up** the concentration gradient.
3. **Passive / Active** transport.



Osmosis:

1. Water moves from **high to low / low to high** concentration.
2. Water moves **down / up** the water concentration gradient.
3. **Passive / Active** transport.



Active Transport:

1. Solutes move from **high to low / low to high** concentration.
2. Solutes move **down / up** the concentration gradient.
3. **Requires / does not require** energy.