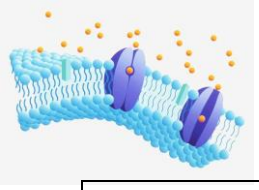


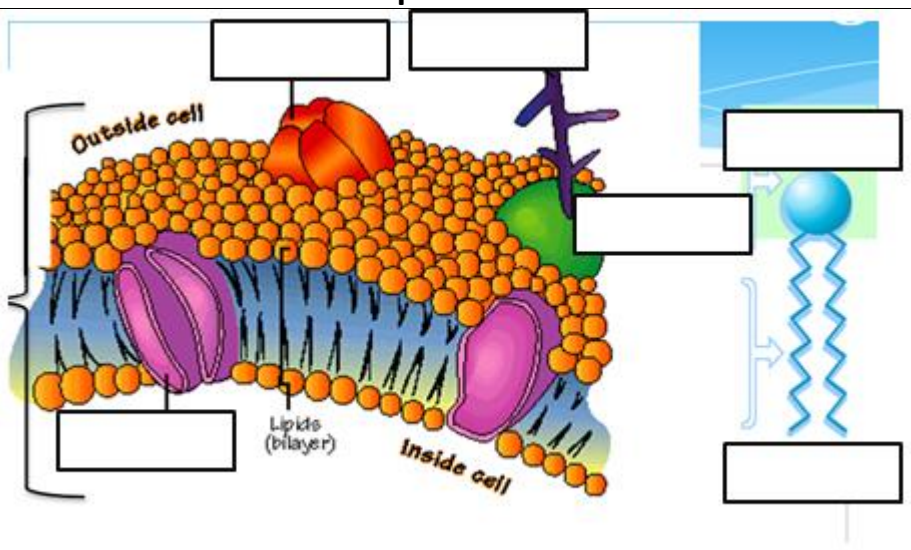
Cellular Transport

7.3

Name: _____ Per: ____

Plasma Membrane and Cell Transport Notes

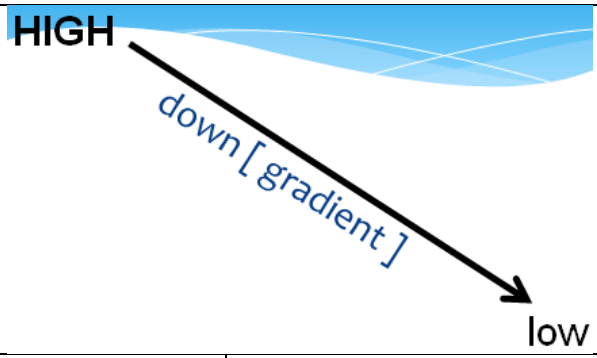
Cell Membrane Labeling



Phospholipids

-
  -
-
  -
-

Passive Transport = Requires NO ENERGY



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Diffusion

- Molecules are in constant motion
- NO ENERGY

- Move from H to L
- EX:

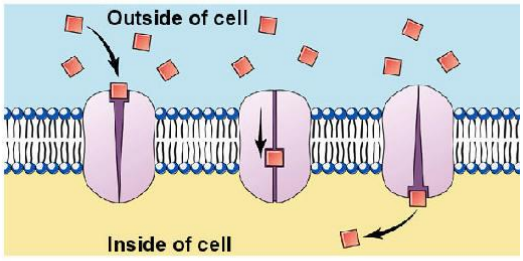
Facilitated Diffusion

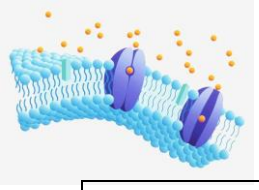
- NO ENERGY

- Larger particles that can't fit easily

- Uses protein channel (NO ENERGY)

Facilitated Diffusion

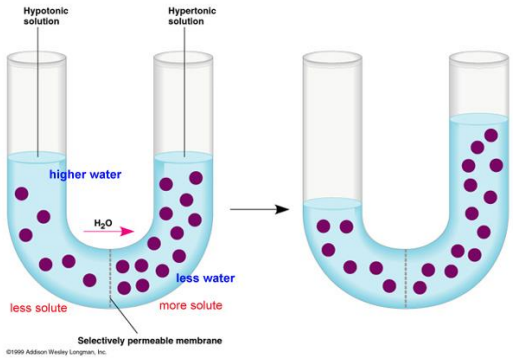
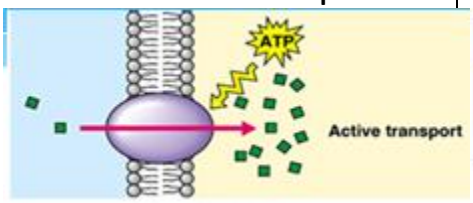
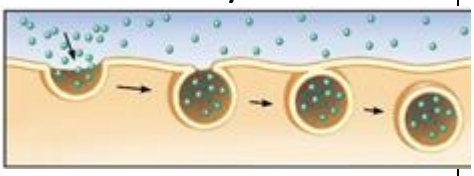
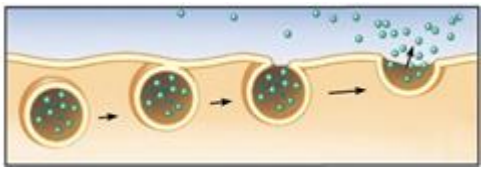




Cellular Transport

7.3

Name: _____ Per: ____

Osmosis	• NO ENERGY •	• Diffusion of Water (Facilitated…) 
Isotonic	Hypertonic	Hypotonic
•	•	•
ACTIVE TRANSPORT		
•	•	•
Protein Pump 	Endocytosis 	Exocytosis 

Review

* Passive Transport
  * Simple diffusion
    * diffusion of nonpolar, hydrophobic molecules
      * lipids
      * high → low concentration gradient
  * Facilitated transport
    * diffusion of polar, hydrophilic molecules
      * through a protein channel
      * high → low concentration gradient

* Active transport
  * diffusion *against* concentration gradient
    * low → high
  * uses a protein pump
  * requires ATP