

Concentration gradient:
the difference in concentrations of a solute
(the substance dissolved, such as salt or sugar)

Move down the **Concentration Gradient:** no energy needed

Move up the **Concentration Gradient:** energy needed

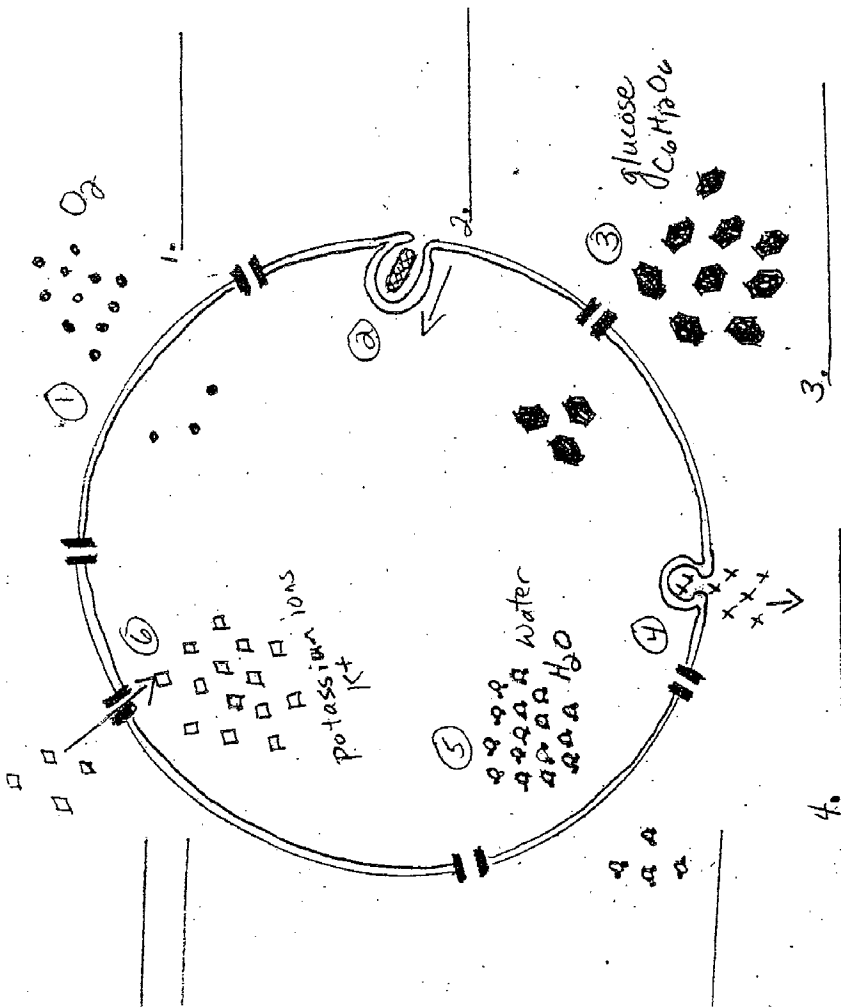
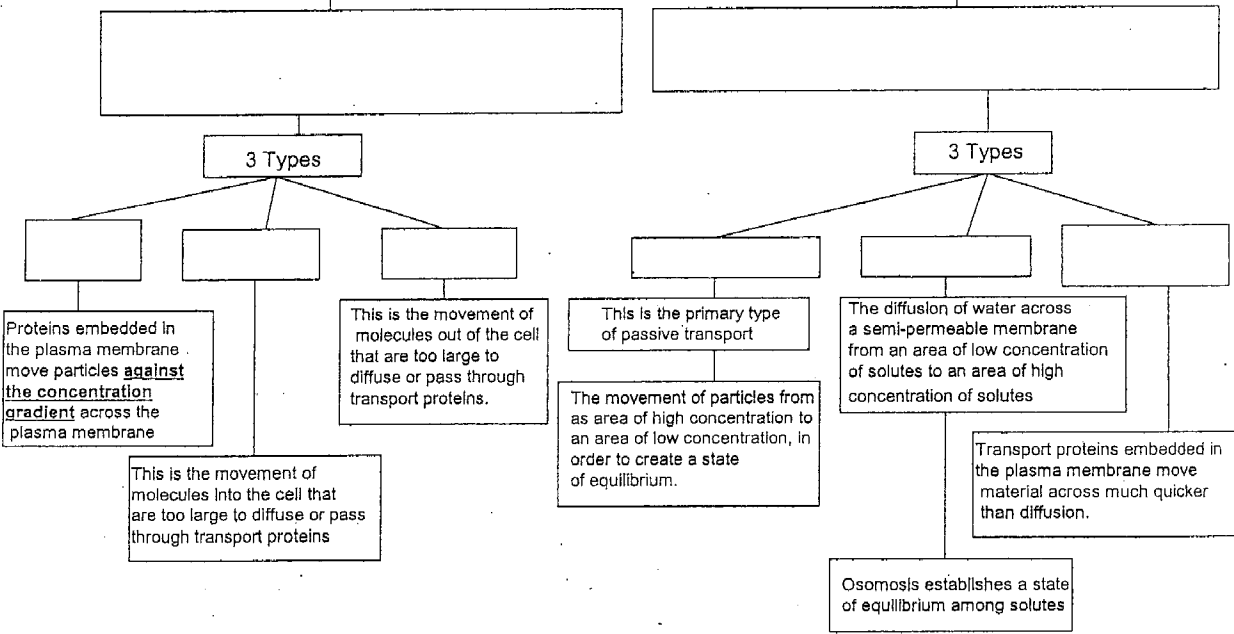
HA

Transportation Across The Plasma Membrane

Cells maintain Homeostasis by transporting material, in and out of the cell, through the plasma membrane.

Active Transport

Passive Transport



Word Bank: exocytosis, passive transport, osmosis, facilitated diffusion, active transport

Directions: Study the diagram. For each molecule or ion, decide the area of high concentration (lots of molecules) and the area of low concentration (few molecules). Draw an arrow to indicate the overall direction of movement of the molecules or ions. Use the word bank to label the cellular transport process involved.