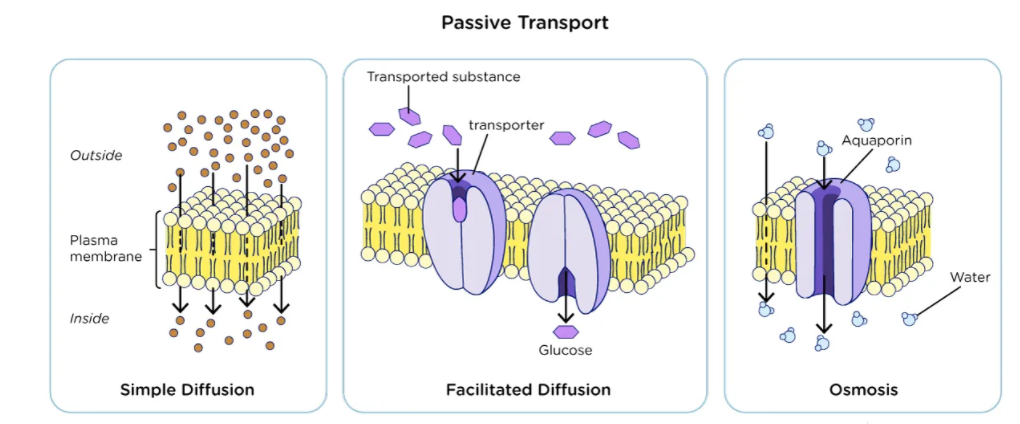
**Passive transport** across the cell membrane: **no ATP** needed because movement of small particles **like carbon dioxide, oxygen/ nitrogen gas and ethanol** is *with the gradient* (from the extracellular fluid with a high concentration to the cytoplasm with a low concentration)

Diffusion-no protein help Osmosis – protein help

Facilitated diffusion – protein help

**Active Transport** across the cell membrane: **ATP is needed** because movement of large particles like **amino acids, glucose and ions** is *against the gradient* (from the extracellular fluid with a low concentration to the cytoplasm with a high concentration)

ION Pumps(K+/ Na+ or H+) Exocytosis & Endocytosis

