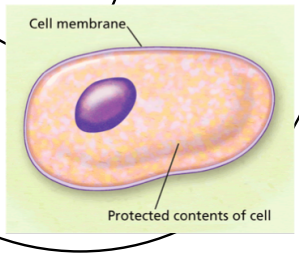
some substances pass through

selectively permeable

others cannot

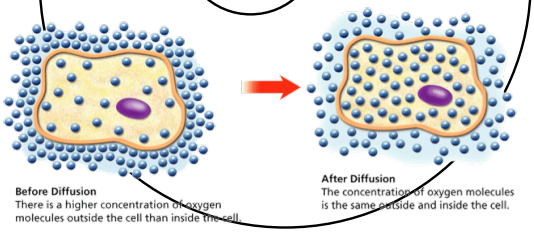


molecules want to be equal

small molecules moving

diffusion

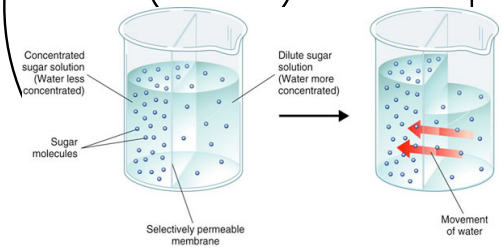
high concentration to low



through a semi-permeable membrane

diffusion of water

osmosis

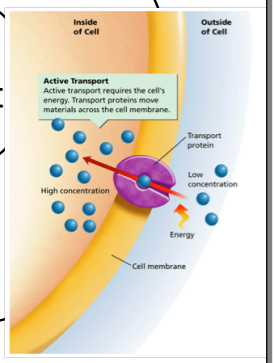


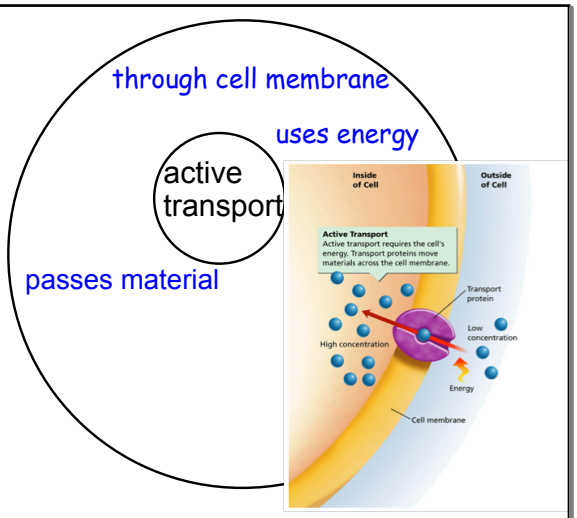
movement of material

through cell membrane

does not use energy

passive transport




through cell membrane
uses energy
active transport
passes material
Inside of Cell
Outside of Cell
Active Transport
Active transport requires the cell's energy. Transport proteins move materials across the cell membrane.
Transport protein
Low concentration
High concentration
Energy
Cell membrane