

Biology

Cell transport

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Diffusion: movement of substances from high concentration to a low concentration ~~to~~ ~~a low concentration~~ until Equilibrium.

Osmosis: the movement of water from ~~high concentration to a low concentration~~ ~~over~~ a partially permeable membrane.

Active transport: the movement of substances from low concentration to a high concentration over a ~~per~~ membrane using carrier proteins (Energy needed)

Factors that affect the rate of diffusion:

- Concentration gradient
- Distance
- SA:Vol ratio
- Temperature

Percentage change:

$$\frac{\text{Change}}{\text{Original}} \times 100$$