





You need to know the functions of all organelles labelled above.

Osmosis Required Practical

Osmosis is the movement of water from an area of high concentration to an area of low concentration.

Using potatoes, find the concentration inside the cells:

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Cell structure and transport



Diffusion and Active Transport

Diffusion is the movement of particles from an area of high concentration to low concentration until equilibrium is reached.

Factors that affect diffusion are: diffusion distance, temperature and concentration gradient.

Active Transport is the movement of particles from and are of low concentration to an area of high concentration with an input of energy.

Cells which do Active Transport require lots of mitochondria for respiration to release energy. E.g. Root hair cells for mineral ions.



