

Specialised cells are often grouped together to form a tissue.

CELLS → TISSUE → ORGAN → ORGAN SYSTEM → WHOLE BODY

DIFFUSION

DIFFUSION IS THE PASSIVE MOVEMENT OF PARTICLES FROM AN AREA OF HIGH CONCENTRATION TO AN AREA OF LOW CONCENTRATION.

~~Increase~~ What affects the rate of diffusion?

- * Increased surface area, more room for diffusion to take place.
- * Increased temperature, particles move more quickly.

OSMOSIS

OSMOSIS IS THE DIFFUSION / MOVEMENT OF WATER MOLECULES ACROSS A PARTIALLY PERMEABLE MEMBRANE FROM A REGION OF HIGH WATER CONCENTRATION TO A REGION OF LOW WATER CONCENTRATION.

* Osmosis causes plant cells to become TURGID when water enters them.

* Animal cells can easily burst if they take in too much water by osmosis as they do not have a cell wall.