1.7 WATER AND INORGANIC IONS

Inorganic Ions

- Sodium ions
  - Co-transport
- Phosphate ions
  - ATP and DNA
- Iron ions
  - Haemoglobin
- Hydrogen ions
  - pH
- Found in solutions e.g. cytoplasm and body fluids

Aqueous environments

Water

- Metabolic reactions
  - Condensation and hydrolysis
- Temperature buffer
  - High heat capacity
- Cohesion and surface tension
  - Cohesive forces allows water to be transported in a tube
  - Surface tension – water molecules stick together when in contact with air
- A solvent
- Evaporation
  - Has a cooling effect when evaporating off the skin

AQA

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