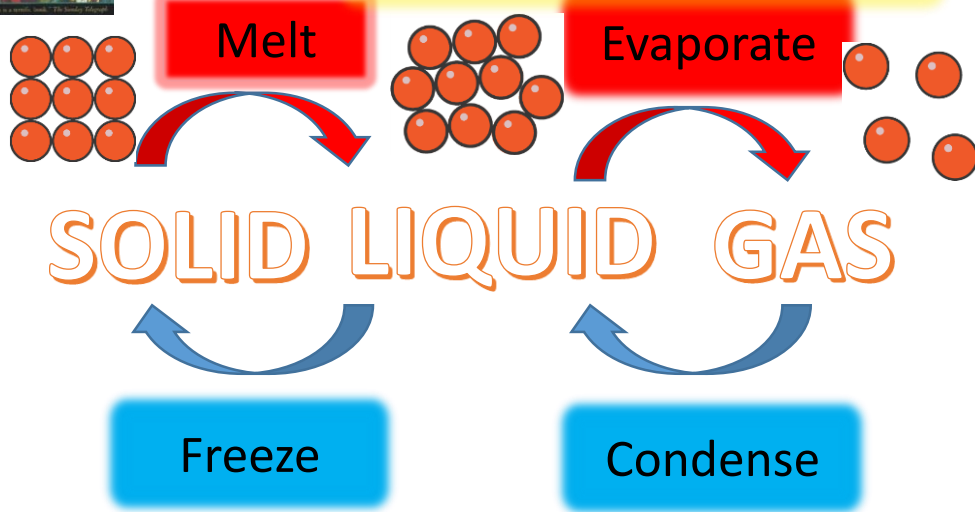


Harry Potter and the Art of Science – Knowledge Organiser

Key Vocabulary

STATES OF MATERIALS



Solute: Is the substance to be dissolved (sugar).

Pure: Only one kind of particle in it

Solution: They're mixed together so well you only see one thing – it looks pure but it isn't.

Solvent: Is the substance doing the dissolving (water).

Mixture: Will have two or more parts that are not chemically combined, only physically combined

Temperature – how hot or cold something is. Measured in degrees Celsius (°C).

Particle – a tiny amount of something. You can't see them with your eyes!

Melting – the process of a solid **heating** and changing into a liquid.

Evaporation – the process of a liquid **heating** and changing into a gas.

Condensation – the process of a gas **cooling** and changing into a liquid.

Freezing – the process of a liquid **cooling** and changing into a solid.

Precipitation – When water or snow falls from a cloud.

SOLID

Stays the same shape
Can be held in your hands
Can be cut into a new shape

Examples – wood, metal, rock, ice

LIQUID

Flows and can be poured
Changes shape to its container
Volume never changes

Examples – water, juice, oil

GAS

Often invisible
Always fills its container
Shape & volume change
Examples – oxygen, hydrogen, carbon dioxide

Reversible Changes: Changes that can be undone
e.g Ice melting and refreezing



Irreversible Changes: changes which are permanent and cannot be brought back to the original form.
e.g Paper into Ash

