



St Paul's C of E Primary School – Knowledge Organiser

Name of Topic

States of matter

Year Group

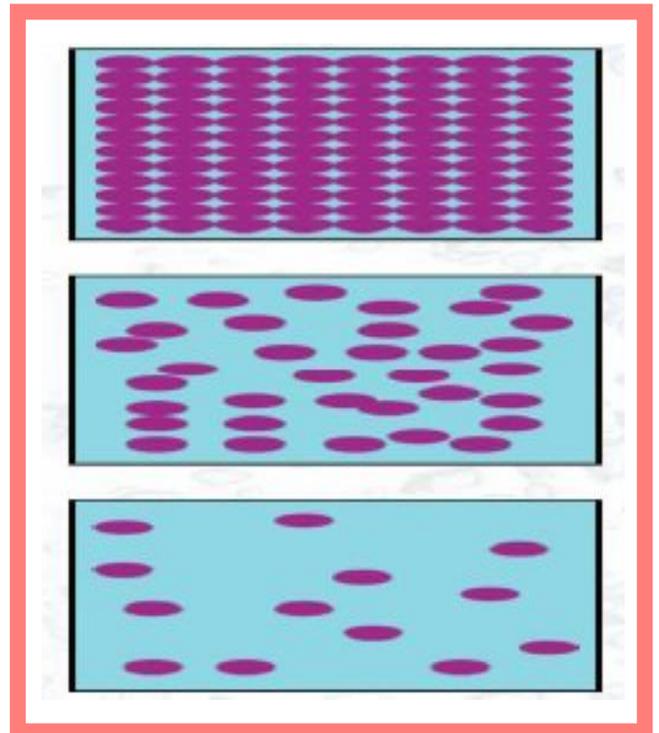
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Key Vocabulary and Spellings

1	solid	An object firm in shape
2	liquid	A substance that moves freely
3	gas	A substance that moves freely and may not be seen
4	state	A condition of something
5	evaporate	Liquid changing to gas
6	condensation	Gas changing to liquid
7	temperature	How hot or cold something is
8	degrees	A measure of temperature
9	particle	A minute part of matter
10	properties	How something can be classified by

Top 5 Topic Facts

1	Particles in solids are closely packed meaning many solids are not malleable.
2	Particles in liquids are more spread out, meaning liquids can move and change shape.
3	Particles in gases are spread out even further, meaning they move freely and cannot always be seen.
4	Liquids boils at 100 degrees Celsius, liquids freeze at 0 degrees Celsius.
5	Evaporation is water changing state to a gas. Condensation is when gas changes into a liquid.



Key Investigations/Questions

1	What are solids, liquids and gases and how can we identify them?
2	What conditions are required to change the state of an object or substance?
3	What is condensation and evaporation and how can this be tested?