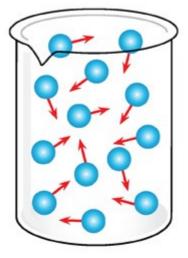


Solid

States of Matter

Key Vocabulary					



Liquid

Gas



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Year 4

States of Matter

Pre existing knowledge

- Why some materials are used for Certain purposes because of their properties.
- The water Cycle, and the processes of evaporation, condensation and precipitation.

Key Vocabulary	
States of matter	Materials Can be one of the three states: solids, liquids or gases.
	Some materials can change from one state to another and back again.
Solids	These are materials that keep their shape unless a force is applied to
	them. They can be hard, soft, or even squashy. Solids take up the
	same amount of space no matter what has happened to them.
Liquids	Liquids take the shape of their Container. They Can Change shape
	but do not change the amount of space they take up. They can flow
	and Can be poured.
Gases	Gases Can spread out to Completely fill the Container or room they
	are in. they do not have any fixed shape but they do have a mass.
Water Vapour	This is water that takes the form of a gas. When water is boiled, it
	evaporates into a water vapour.
Melt	This is when a solid Changes to a liquid.
Freeze	Liquid turns to a solid during the freezing process.
Evaporate	Turn a liquid into a gas.
Condense	Turn a gas into a liquid.
Precipitation	Liquid or solid particles that fall from a cloud as rain, sleet, hail or
	snow.
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The Water Cycle

1. Water from lakes, puddles, rivers and seas is evaporated by the sun's heat, turning it into water vapour. 2. This water vapour rises, then cools down to form water droplets in clouds (condensation). 3. When the droplets get too heavy, they
fall back to the Earth as rain, sleet, hail or snow (precipitation).

Par	tiCles are what materials
They are s	o small that we Cannot s
The properties of a s	substance depend on what its partic they are arranged.
Particles	behave differently in soli
Solid	Liquid
Particles in a solid are close together and cannot move. They can only vibrate.	
When water and other <mark>lines when water and other lines when water and other</mark>	



Is are made from.

see them with our eyes.

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olids, liquids and gases.

