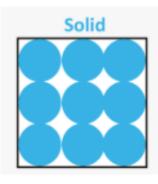


Science States of Matter & The Water Cycle

Subject Specific Vocabulary		Stages of the water cycle		Key Knowledge
particles	Tiny bits of matter which make up everything in the universe.	1	The sun heats up rivers, lakes and the sea.	A solid keeps its shape and has a fixed volume.
condensation	When water vapour that is around us changes from a gas back to water.	2	Water evaporates into the air. This is called water vapour.	A liquid has a fixed volume but changes in shape to fit the container. A liquid can be poured.
precipitation	Any watery substance such as rain, water, snow, hail or sleet that falls to Earth.	3	The water vapour rises, cools and turns back to water in the form of clouds.	Melting is a state change from solid to liquid. The melting point for ice is 0°C.
evaporation	When liquid changes into gas, usually when it heats up.	4	The droplets in the clouds become too heavy and fall as	Freezing is a state change from liquid to solid. The freezing point of water is 0°C.
temperature	A measure of how warm or cold an object is.	5	rain, snow or hail.The rain, snow or hail is then collected in rivers, lakes and the sea.	Boiling is a change of state from liquid to gas that happens when a liquid is heated to a specific temperature. For water, the boiling point is 100°C.
freezing	When a liquid is cold enough that it turns to a solid.	3		
melting	When a solid becomes a liquid through the process of heating.	6	6 The cycle starts again.	Evaporation is the same state change as boiling (liquid to gas), but it happens slowly at lower temperatures.
solid	A substance that stays the same shape. Its particles do not move.			
			/ 4/ , 4 , 4 , 222 Cloud Formation	Evaporation happens more quickly if the temperature is higher, the liquid is spread out or it is windy.
liquid	Liquids will flow, it is made up of loosely packed particles.			
gas	Gaseous matter is made up of matter that is so loose that it is always moving.		Precipitation Transpiration Collection Condensation	Condensation is the change back from a gas to a liquid caused by cooling.
			Evaporation Sunoff	A gas fills all available space; it has no fixed shape.



Year 4

