		Changes- Knowledge Organiser (Stanley Road Primary School Year 4 Summer Term 1)					
The Water Cycle		Key Vocabulary	States of matter				
Energy from the sun heats up the water in our rivers, lakes and oceans.	matter	Any solid, liquid or gas that exists in the universe	solid	liquid	gas		
Water evaporates into the air, turning into a gas called vapour .	substance	Any solid, liquid, powder or gas is a substance					
The water vapour rises up into the sky where it cools.	solid	A substance that stays the same shape whether it is in a container or not	rigidfixed shape	 not rigid no fixed shape 	 not rigid no fixed shape 		
The water vapour turns back into a liquid, forming clouds. This process is called condensation .	liquid	A substance that can flow and take on the shape of a container	fixed volume	fixed volume	no fixed volume		
Eventually the water droplets in the clouds become too heavy for the air to hold them.	gas	A substance that has no fixed shape, like oxygen.	Solid (at room temperature)	Liquid (at room temperature)	Gas (at room temperature)		
They fall back down to Earth as rain, snow, hail or sleet, a process known as precipitation .	water vapour	Water that is in the form of a gas.	Wood Iron Copper Plastic	water milk blood oil	oxygen carbon dioxide nitrogen steam		
The fallen precipitation is then collected in rivers that flow to the sea. This is called runoff .	evaporation	The process of a liquid becoming a gas.	Changes of state – water				
The water cycle then begins again as the sun heats the water	condensation	The process when water vapour in the air changes from a gas back into a liquid.					
		Any rain, snow, sleet or hail that falls to earth	melting evaporating				
PRECIPITATION CONDENSATION EVAPORATION RUNOFF	particle	A very small piece of matter	ice water steam				
	Celsius	A scale for measuring temperature, in which water freezes at 0 degrees.					
	boiling point	The temperature when water begins to boil (on Earth this is 100°C)		- open			
	thermometer	A scientific instrument for measuring temperature.	free	ndensing			
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