


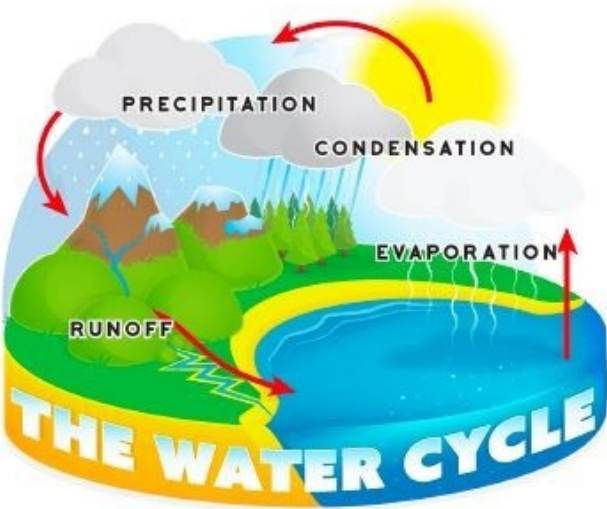
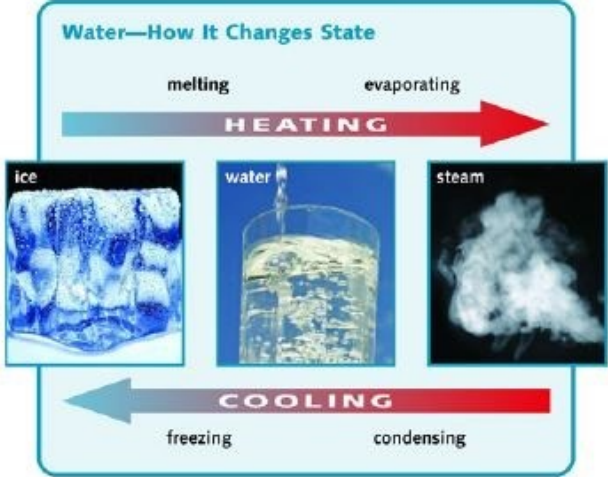


## Changes- Knowledge Organiser

The Water Cycle		Key Vocabulary		States of matter				
1	Energy from the sun heats up the water in our rivers, lakes and oceans.	<b>matter</b>	Any solid, liquid or gas that exists in the universe	<b>solid</b> 	<b>liquid</b> 	<b>gas</b> 		
2	Water <b>evaporates</b> into the air, turning into a gas called <b>vapour</b> .	<b>substance</b>	Any solid, liquid, powder or gas is a substance	● rigid	● not rigid	● not rigid		
3	The water vapour rises up into the sky where it cools.	<b>solid</b>	A substance that stays the same shape whether it is in a container or not	● fixed shape	● no fixed shape	● no fixed shape		
4	The water vapour turns back into a liquid, forming clouds. This process is called <b>condensation</b> .	<b>liquid</b>	A substance that can flow and take on the shape of a container	● fixed volume	● fixed volume	● no fixed volume		
5	Eventually the water droplets in the clouds become too heavy for the air to hold them.	<b>gas</b>	A substance that has no fixed shape, like oxygen.	cannot be squashed	cannot be squashed	can be squashed		
6	They fall back down to Earth as rain, snow, hail or sleet, a process known as <b>precipitation</b> .	<b>water vapour</b>	Water that is in the form of a gas.	Solid (at room temperature)	Liquid (at room temperature)	Gas (at room temperature)		
7	The fallen precipitation is then collected in rivers that flow to the sea. This is called <b>runoff</b> .	<b>evaporation</b>	The process of a liquid becoming a gas.	Wood Iron Copper Plastic	water milk blood oil	oxygen carbon dioxide nitrogen steam		
8	The water cycle then begins again as the sun heats the water	<b>condensation</b>	The process when water vapour in the air changes from a gas back into a liquid.	<b>Changes of state – water</b>				
 <p style="text-align: center; font-weight: bold; font-size: 1.2em;">THE WATER CYCLE</p>								
				<b>precipitation</b>	Any rain, snow, sleet or hail that falls to earth			
				<b>particle</b>	A very small piece of matter			
				<b>Celsius</b>	A scale for measuring temperature, in which water freezes at 0 degrees.			
				<b>boiling point</b>	The temperature when water begins to boil (on Earth this is 100°C)			
<b>thermometer</b>	A scientific instrument for measuring temperature.							