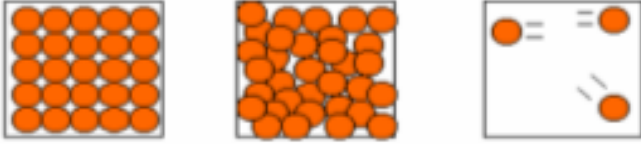


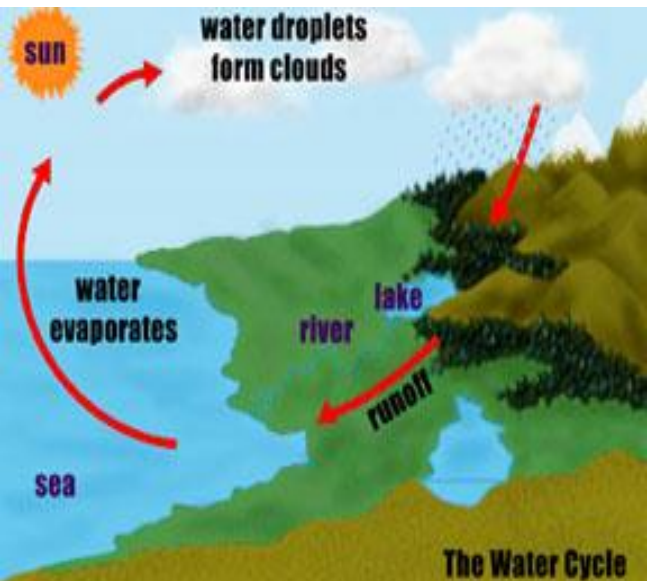


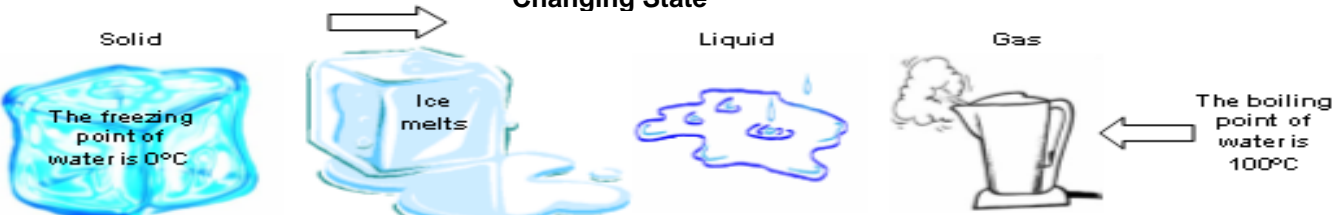


Y5: PROPERTIES & STATES OF MATTER

<h2>Glossary</h2>	<p style="text-align: center;">Particles</p>  <p style="text-align: center;">Solid Liquid Gas</p> <p style="text-align: center;">States of matter</p>	 <p>Sewage goes to a sewage treatment works. Sewage goes through a process of aeration to help bacteria digest waste water</p>	 <p>Drinking water has all dirt and germs removed before it gets to us, this is known as water purification</p>	<p>melting – the process of change from a solid into a liquid to melt - verb</p>
<p>aeration - in sewage treatment the process of blowing air bubbles through the waste water in order to help bacteria digest waste matter</p>	 <p style="text-align: center;">The Water Cycle</p>	<p>A pure diamond is an example of a pure substance</p> 		<p>melting point - the temperature above which a solid becomes a liquid</p>
<p>boiling point – the temperature above which a liquid becomes a gas</p>		 <p>Melted chocolate will solidify if left in a cool place – this is called solidification</p>		<p>pure substance – matter that is not a mixture of things</p>
<p>change of state – the process of change from one state of matter to another</p>		<p style="text-align: center;">Changing State</p>  <p style="text-align: center;">The ice is solid, when heat is added, it reaches melting point and turns into a liquid. When more heat is added the water evaporates and turns into a gas. When the gas meets a cold surface, it condenses and turns back into a liquid.</p>		<p>sewage treatment – the process of cleaning and purifying sewage water for return to a river, lake or sea</p>
<p>condensation – the process of change from a gas into a liquid to condense - verb</p>				<p>solid – one of the three states of matter. Solids keep their shape. The particles of a solid are very close together</p>
<p>evaporation – the process of change from a liquid into a gas to evaporate - verb</p>				<p>solidification – the process of a liquid hardening to form a solid to solidify - verb</p>
<p>freezing – the process of change from a liquid into a solid to freeze - verb</p>				<p>states of matter – all material exists in three states – solid, liquid and gas</p>
<p>freezing point – the temperature below which a liquid becomes a solid – for water this is 0°C</p>				<p>water cycle – the cycle of events that occur naturally in the weather systems of the Earth where water moves through its three states</p>
<p>gas – one of the three states of matter. Gases move to fill any available space. The particles in a gas are very far apart from each other and move freely</p>				<p>water purification – the process of removing dirt and germs from water to make it drinkable for humans</p>
<p>liquid – one of the three states of matter. In a liquid the particles are not as close together as in the solid form. Liquids can be poured and take on the shape of the container they are placed in</p>				