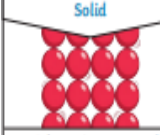
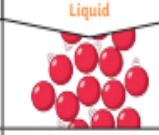
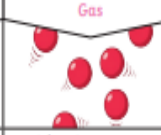
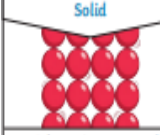
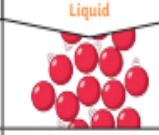
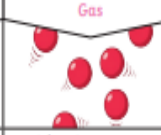
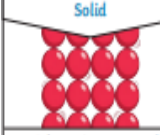
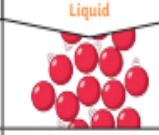
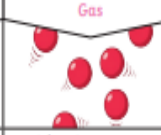
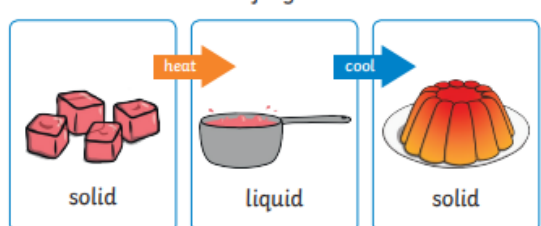
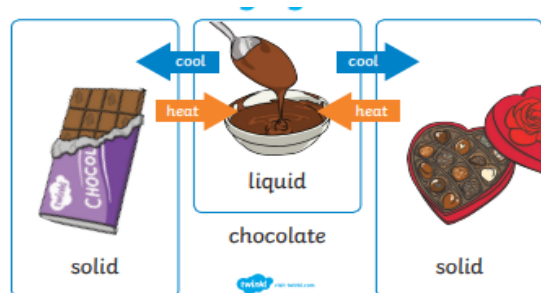



Topic	States of Matter	Term	Spring	Year Group	4
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Vocabulary	
boiling point	The temperature at which a liquid changes into a gas.
condensation	The conversion of a vapour or gas to a liquid.
degrees Celsius	A unit for measuring temperature. Water freezes at 0 degrees Celsius and boils at 100 degrees Celsius.
evaporation	Evaporation describes the process of a liquid turning into a gas.
freezing point	The temperature at which a liquid freezes.
gas	A substance (such as oxygen or hydrogen) which can move freely and is not liquid or solid at ordinary room temperature.
liquid	A substance, such as water or oil, that flows freely but (unlike a gas) has a constant volume.
melting point	The temperature at which a substance changes from a solid to a liquid.
solid	Solids (such as ice, wood or sand) keep the same shape and volume. They stay in one place and can be held, cut or shaped.
water cycle	The water cycle is the journey water takes as it moves from the land to the sky and back again.

Concepts and Knowledge										
<p>Solids, liquids and gases are called the three states of matter.</p>	<p>There are three states of matter.</p> <table border="1"> <thead> <tr> <th>Solid</th> <th>Liquid</th> <th>Gas</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td>Particles in a solid are close together and cannot move. They can only vibrate.</td> <td>Particles in a liquid are close together but can move around each other easily.</td> <td>Particles in a gas are spread out and can move around very quickly in all directions.</td> </tr> </tbody> </table>	Solid	Liquid	Gas				Particles in a solid are close together and cannot move. They can only vibrate.	Particles in a liquid are close together but can move around each other easily.	Particles in a gas are spread out and can move around very quickly in all directions.
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Particles in a solid are close together and cannot move. They can only vibrate.	Particles in a liquid are close together but can move around each other easily.	Particles in a gas are spread out and can move around very quickly in all directions.								
<p>Solids, liquids and gases change state when they are heated or cooled.</p>	<p>jelly</p>  <p>chocolate</p> 									
<p>Water on Earth is always moving. It is constantly being recycled. This is called the water cycle.</p> <ol style="list-style-type: none"> 1. Water evaporates into the air. 2. Water vapour condenses to form clouds. 3. Water falls as precipitation. 4. The water returns to the sea. 	 <p>The Water Cycle</p>									