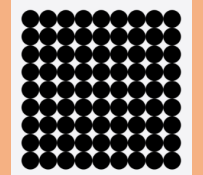
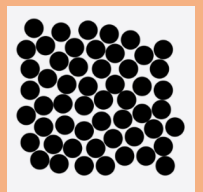
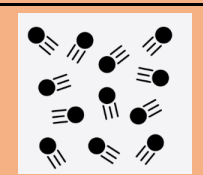

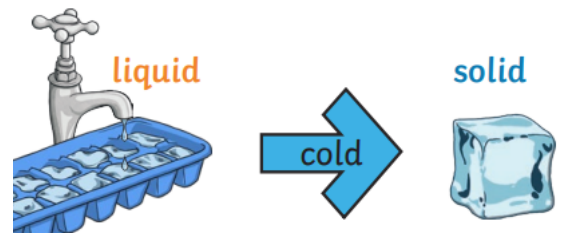


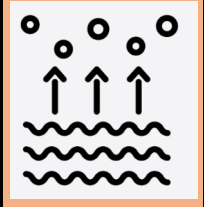
What are the properties of a solid, liquid and gas?	How do materials change when they are heated?	How does a material change when it is cooled?
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Solid		<p>A material that keeps their shape and has a fixed volume. They can be hard or soft.</p>
Liquid		<p>A liquid has a fixed volume but changes shape to fit the container. They can flow or be poured.</p>
Gas		<p>A gas fills the available space; it has no fixed space or volume.</p>

<p>If a solid is heated to its melting point, it melts and changes to a liquid. The particles begin to move quicker until they are able to move around each other.</p>



<p>When freezing a liquid, the particles in the liquid begin to slow down getting colder. The liquid then changes state to a solid.</p> <p>The freezing point of water is 0°C.</p>

How is gas made?	What is condensation?
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Evaporation		<p>A change of state from a liquid to a gas when heated to a specific temperature.</p>
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Condensation		<p>Change back from a gas to a liquid. The water vapour in the air cools when it touches a cold surface.</p>
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Boiling is a change of state from liquid to gas. This happens when a liquid is heated to a specific temperature and bubbles of the gas can be seen in the liquid. The **boiling point** of water is 100°C.

