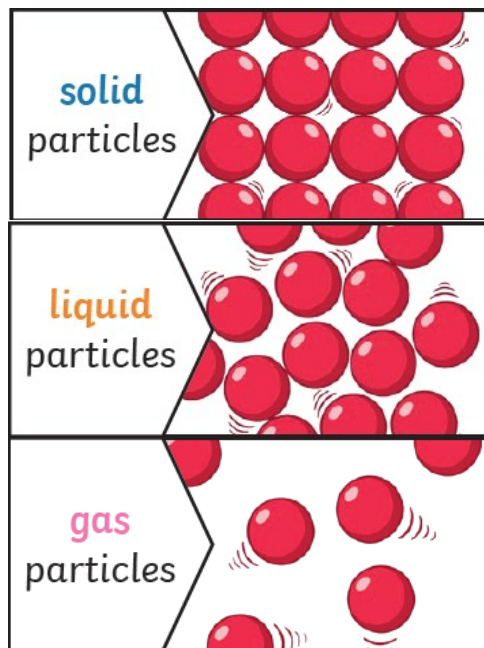




Key Vocabulary

Materials	Materials are what objects are made from
Properties	Describes what a material is like and how it behaves (soft, stretchy, waterproof)
Solid	Materials that keep their shape unless a force is applied to them. They can be hard, soft or even squashy.
Liquid	Liquids take the shape of the container. They can flow or be poured.
Gas	Gases spread out to completely fill the container or room they are in. They do not have a fixed shape.
Melting	The process of heating a solid until it changes into a liquid.
Freezing	When a liquid cools and turns into a solid.
Evaporating	When a liquid turns into a gas or vapour.
Condensing	When a gas, such as water vapour, cools and turns into a liquid.



Resources	Safety Cards
<ul style="list-style-type: none"> <li>Selection of materials</li> <li>Bicarbonate of soda, vinegar</li> </ul>	Card 15 - Water Card 17 - Testing properties of materials Card 18/19 - heating materials Card 20 - Burning materials Card 21 - Mixing materials

<p>What key knowledge will I have by the end of this unit?</p> <ul style="list-style-type: none"> <li>Re-cap: Compare and group materials based on their properties.</li> <li>Sometimes when we heat or mix substances we create new substances that were not there before.</li> <li>Evidence for new materials could be changing properties, fizzing, temperature and difficult to reverse.</li> <li>If a change has not made something new it is usually reversible.</li> </ul>
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<p>What key skills will I have by the end of this unit?</p> <ul style="list-style-type: none"> <li>Safety in science</li> <li>Classifying material based on their properties</li> <li>Conclusions – How can we sort these materials?</li> <li>Answering questions using evidence – What happens when we change these materials?</li> <li>Assessing risks when planning investigations</li> </ul>
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In KS1:	In Year 3:	In Year 4:	In Year 5:	In Year 6
<ul style="list-style-type: none"> <li>Identify, name and describe different materials</li> <li>Compare and group them according to their properties</li> </ul>	<ul style="list-style-type: none"> <li>Investigate properties of materials - flexibility, absorbency</li> </ul>	<ul style="list-style-type: none"> <li>Investigating the properties of solids, liquids and gases</li> <li>Reversible and irreversible changes</li> </ul>		