

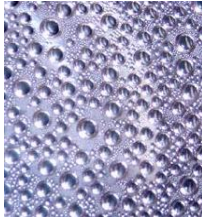









# Y5: States of Matter – Liquids and Solids

<p><b>Glossary</b></p>	 <p>A <b>sieve</b> separates materials</p>	 <p>A <b>mixture</b> can be separated in different ways, e.g. sieving</p>	 <p><b>Condensation</b></p>	 <p><b>Powder</b></p>	<p><b>solubility</b> – a property of a material describing how well it will dissolve in a liquid</p>
<p><b>condensation</b> – the process of change from a gas into a liquid to <b>condense</b> - verb</p>					<p><b>solid</b> – one of the three states of matter. Solids keep their shape. Ice is the solid state of water. Solids may be in the form of powders made up of very small particles</p>
<p><b>dissolve</b> – when a solid becomes part of a liquid</p>		<p>This salad dressing contains solids held in <b>suspension</b></p> 	<p><b>Evaporation</b> is a change from liquid to gas</p> 	<p>Separating fine solid particles from a liquid can be done using a <b>filter</b></p> 	<p><b>soluble</b> – when a solid dissolves in water it is said to be soluble - opposite - <b>insoluble</b></p>
<p><b>evaporation</b> – the process of change from a liquid into a gas to <b>evaporate</b> - verb</p>					<p><b>solute</b> – the name given to a substance dissolved in a liquid</p>
<p><b>filter</b> – to separate fine solid particles from a liquid</p>					<p><b>solution</b> – a liquid that has a solid dissolved in it</p>
<p><b>impurities</b> – when a pure substance is contaminated with other materials</p>	<p>Some medicines <b>dissolve</b> in water, this means they are <b>soluble</b>. The tablet is the <b>solute</b></p>			<p>A <b>solvent</b> is a liquid in which a solid will dissolve, <b>Solubility</b> is how well it dissolves</p>	<p><b>solvent</b> – a liquid in which a solid will dissolve</p>
<p><b>liquid</b> – one of the three states of matter. Liquids pour and take on the shape of the container.</p>		<p><b>Impurities</b> cause colour in gems.</p>		<p>A diamond is a <b>pure substance</b></p> 	<p><b>state</b> – All matter exists in one of three states – solid, liquid and gas</p>
<p><b>melt</b> – to change from a solid into a liquid</p>					<p><b>suspension</b> – a liquid containing tiny particles of solid that mix with the liquid but do not dissolve</p>
<p><b>mixture</b> – a composite of different materials that can be separated by filtering, sieving, evaporation etc.</p>					
<p><b>powder</b> – a solid made up of very small particles</p>	<p>This is a <b>solution</b> of instant coffee and water</p>				
<p><b>pure substance</b> – matter that is not a mixture of things</p>				<p>All matter is either in a <b>solid, liquid or gas state</b></p>	
<p><b>sieve</b> – to separate coarse solid particles from a liquid</p>					