

# Unit 4D

## Solids, Liquids and how they can be Separated

Chatterbox 4 Level 4

<p><b>INSOLUBLE</b> Solids, Liquids Unit 4D and Separating</p>	<p>1 What is a solution?</p>	<p>2 If a solid has been dissolved in water, how is it able to pass through a filter?</p>	<p><b>DISSOLVES</b> Science Chatterbox 4 K F F</p>
<p>5 What does 'insoluble in water' mean?</p>	<p>a liquid CONTAINING a soluble solid which has <u>completely dissolved</u></p> <p>a solid which <u>WILL NOT</u> DISSOLVE IN WATER (flour, chalk, sand, etc)</p>	<p>the particles are <u>much smaller</u> than the <u>MICROSCOPIC HOLES</u> of the <u>filter paper</u> - and easily pass through</p> <p>keep it in the fridge - the temperature is about 4°C (less than butter's melting point)</p>	<p>6 How might you <u>prevent</u> butter <u>melting</u> on a hot day?</p>
<p>8 What is a <u>solute</u>?</p>	<p>a material which <u>can be dissolved</u> (eg, salt, sugar)</p> <p><u>NO</u>, it is <u>still there</u>, but the particles are too small to be seen with the naked eye</p>	<p>a liquid which is able to <u>dissolve</u> a <u>soluble solid</u></p> <p><u>solids</u> - they all have <u>fixed volumes and shapes</u> - unless a force is applied</p>	<p>7 What is a <u>solvent</u>?</p>
<p><b>REVERSIBLE</b></p>	<p>4 When a solid <u>dissolves</u>, has it disappeared?</p>	<p>3 What are sponges, metal, ice, rock, paper and chewing gum all examples of?</p>	<p><b>IRREVERSIBLE</b></p>