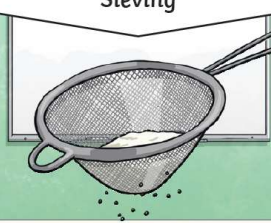






Key Vocabulary	
Key Word	Definition
<b>Solution</b>	A mixture of two substances, the solute and the solvent
<b>Solvent</b>	A substance that dissolves a solute, such as water.
<b>Reversible</b>	Can change back to the previous state
<b>Non-reversible (irreversible)</b>	<b>Impossible to change back to the previous condition or state</b>
<b>Rusting/ rust</b>	Rusting is an oxidation reaction. The iron reacts with water and oxygen
<b>Burning</b>	Combustion is another name for burning. In a combustion reaction, fuel is burned and reacts with oxygen to release energy.
<b>Physical change</b>	A change in material in which no new substances are formed
<b>Chemical change</b>	A change that results in a creation of few chemical substances
<b>soluble</b>	Able to dissolve in water
<b>insoluble</b>	Not able to dissolve in water

## UKS2 Science Unit Changes of Materials

Reversible changes, such as mixing and dissolving **solids** and **liquids** together, can be reversed by:

<b>Sieving</b> 	<b>Filtering</b> 	<b>Evaporating</b> 
Smaller <b>materials</b> are able to fall through the holes in the sieve, separating them from larger particles.	The <b>solid</b> particles will get caught in the filter paper but the <b>liquid</b> will be able to get through.	The <b>liquid</b> changes into a <b>gas</b> , leaving the <b>solid</b> particles behind.

			
<b>dissolving</b>	<b>solution</b>	<b>soluble</b>	<b>insoluble</b>

<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">Working Scientifically Skills</div> 	<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">Science Enquiry</div> 
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## Learning Sequence

Lesson 1	How to recover solute from a solution (Evaporation)
Lesson 2	Recognise and describe reversible changes
Lesson 3	Observe chemical changes. How do we know new materials are made?
Lesson 4	What causing objects to rust?
Lesson 5	Investigate burning reactions
Lesson 6	Investigate chemical reactions.