



## **Knowledge Organiser – Properties of Materials (Science Year 5)**

Science	
Key	Definition
Vocabulary	
Electrical	Ability to conduct or
conductivity	transmit electricity.
Solubility	How well a substance
	dissolves.
Thermal	Ability to conduct or
conductivity	transmit heat.
Dissolve	To mix with a liquid and
	become part of the liquid.
Insoluble	Something that is not able to dissolve.
Filtering	Process to use when you can separate small objects.
Reversible change	Capable of being reversed.

Examples of reversible changes that can change back to their original form.







Boiling water

Ice cubes melting

Melting butter

Solution of sugar and water

When a solid (solute) dissolves in the liquid (solvent), a solution is formed.



called electrical conductors.

Most metals are good conductors of heat.

Mixing materials together forms a mixture where two or more substances are physically combined. It can be separated by physical methods such as:

sieving

filtering

evaporating







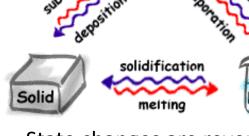




Separating different solids.

Separating insoluble solids from liquids.

Separating soluble solids from liquids.



State changes are reversible.

Chemical changes produce new substances.















Starting materials

Products of the change

Examples of chemical changes are:

burning

cooking and baking

rusting

fermentation

Evidence of a chemical reaction can be identified through:

Change of composition

The change cannot be reversed

Change of colour

Change of smell