Vocabulary	Definition
Hard	Difficult to scratch, like the head of
	a hammer.
Soft	Easy to shape, like fabric.
Soluble	Can be dissolved, like coffee
	granules.
Insoluble	Cannot be dissolved.
Transparent	See through, like glass
Opaque	Not see through, like a wooden
	door.
Electrical	Lets electricity pass through easily,
Conductor	like copper wire.
Electrical	Do not let electricity flow through
Insulator	easily, like plastic or rubber.
Thermal	Lets heat pass through easily, like a
Conductor	metal kettle.
Thermal	Does not let heat pass through
Insulator	easily, like a wood pan handle.
Magnetic	Is attracted to a magnet, like a
	steel spoon.
Non	Is not attracted to a magnet, like a
Magnetic	wooden spoon.



A mixture	Where substances are mixed
	together, but dissolving hasn't
	taken place. For example, mixing,
	cucumber slices, egg slices and
	tomato slices to make a salad.
A solution	Some substances dissolve in a
	liquid. When this happens the
	liquid is called a solution. For
	example, when gravy granules
	dissolve in water, this is a solution.
We can	<ul> <li>Sieving - sorting out the</li> </ul>
separate a	big bits from the small
mixture by	bits, e.g. stones from soil.
sieving	<ul> <li>Filtering - separating solid</li> </ul>
and/or	bits from a liquid, e.g. sand
filtering	from sand and water.
We can	Evaporation - A liquid evaporates
separate a	into a gas when it is heated. This
solution by	removes the liquid and leaves the
evaporation	substance behind.

Reversible and irreversible changes		
Reversible changes	A change that doesn't last forever. For example, water can turn to ice when frozen, but can be turned back to water by heating it.	
Irreversible changes	<ul> <li>Lasts forever and is usually caused by heat.</li> <li>E.g. Eggs, flour, butter and sugar heated to make a cake. The original ingredients can't be recovered.</li> </ul>	

Vocabulary	Definition
Dissolved	To become incorporated into a liquid so as to form a solution.
Separating	The action of moving things apart.
Evaporation	When a liquid turns to a gas due to an increase in
	temperature.
Properties	A specific quality of something.