

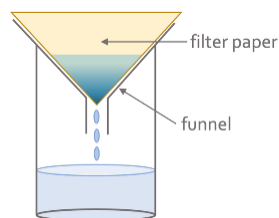


Vocabulary

conductor	something that lets electricity flow through it
dissolve	to break up into very tiny, almost invisible pieces when mixed with water
evaporation	when a liquid turns into a gas which can happen at any temperature
filtering	to use filter paper to separate particles that do not dissolve from water
flexible	capable of bending easily without breaking
insoluble	impossible to dissolve, especially in water
insulator	something that does not let electricity flow through it
irreversible	cannot be reversed, such as cooking or burning
magnetic	capable of being magnetised or attracted to a magnet
mixture	different substances jumbled up together that do not combine
opaque	a material that blocks light, so an opaque material causes a shadow
separate	a method that converts a mixture or a solution into two or more substances
sieve	a container with holes in the bottom, used to separate pieces of different sizes
soluble	a substance that can be dissolved in liquid
solution	a mixture of water with something dissolved in it that do not change into new substances
substance	physical things you can see, touch or measure
thermal	relating to heat
translucent	a substance that some light can travel through
transparent	a substance that light can travel through easily

Separating Mixtures

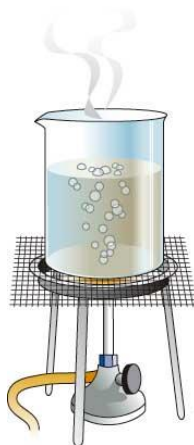
Filtering



Sieving



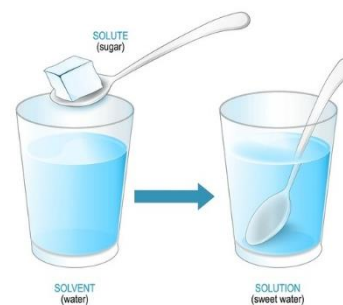
Evaporating



Properties and Changes of Materials

Dissolving

A solution is made when solid particles are mixed with liquid particles. Materials that will dissolve are known as soluble. Materials that won't dissolve are known as insoluble.



Properties of Everyday Materials

Different materials are used for particular jobs based on their properties. For example, glass is used for windows as it is hard and transparent. Oven gloves are made as a thermal insulator to stop hands from burning.

flexible



a flexible spring

transparent



This glass is transparent.

conductor



Some metals are conductors of electricity.

translucent



The screen is translucent.

magnetic



Iron nails are magnetic.

opaque



She is hidden by the opaque screen.

