



# 'Marvellous Mixtures' | Year 5 | Summer Term

## Chemistry

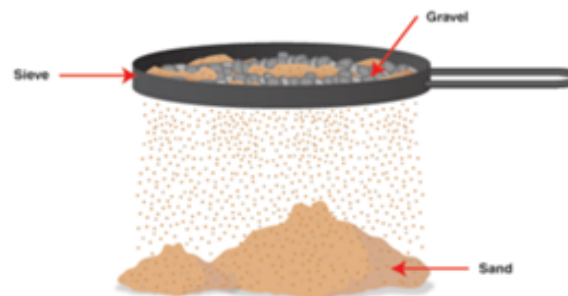
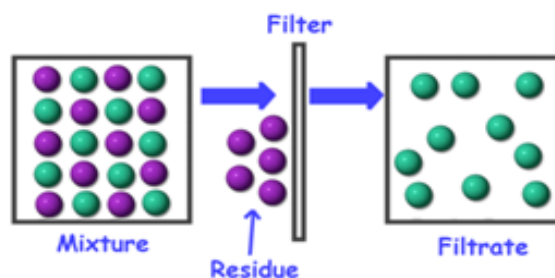
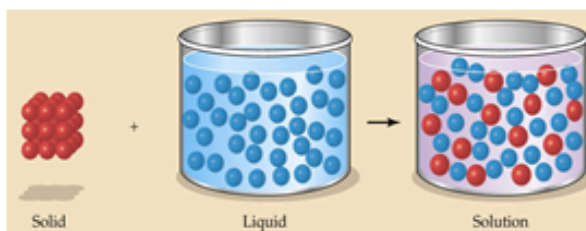
### Key Vocabulary

1	<b>filtering</b>	Is a separation process - usually a <b>suspension</b> mixture. The mixture is passed through filter (paper) and <b>residue</b> and a <b>filtrate</b> is left.
2	<b>dissolving</b>	The act of a solid combining with a liquid, so that it forms a <b>solution</b> . E.g. dissolving sugar into tea or water.
3	<b>mixture</b>	Is where substances are mixed together, but <b>dissolving</b> has not taken place, e.g. mixing cereal and milk, flour and butter.
4	<b>separate</b>	The act of moving things (solids or liquids) apart. A mixture or a solution can be separated.
5	<b>sieving</b>	Is a separating process. It sorts the larger solids from the smaller solids. E.g. stones from soil.
6	<b>reversible/ non-reversible</b>	Reversible - Is a change that does not last forever. E.g. water to ice can be turned back to water. Non-reversible change - lasts forever, usually caused by heat. E.g. baking a cake.
7	<b>solution</b>	When a substance <b>dissolves</b> in a liquid.
8	<b>suspension</b>	Is a mixture where the solid particles are "suspended" in the liquid. If left they will settle and separate over time. E.g. Water and sand.

In this unit, our BIG Question is...

What happens when we mix a solid and liquid?

A solution is...



### Sticky Knowledge

(From our previous unit and Year 4)

1	change of state	When a material changes from one material types to another. For instance, a solid can change to a liquid; liquid to a gas; gas to a liquid; liquid to a solid.
2	condensation	Is the process when a gas or vapour turns to a liquid. You might see this on the outside of a cold glass.
3	evaporation	Is the process where a liquid can change to a gas or vapour. Water changes to a gas called steam. Sweat frying from our body is an example of evaporation.
4	particles	These a tiny bits of matter that make up everything in the universe.

### Famous Scientist

#### Nils Wallerius

(January 1<sup>st</sup> 1706 - August 16<sup>th</sup> 1764)

He was a Swedish Physicist who discovered the characteristics of evaporation.

He investigated the weight loss of an egg, over a year, and how long a glass of wine takes to evaporate!

