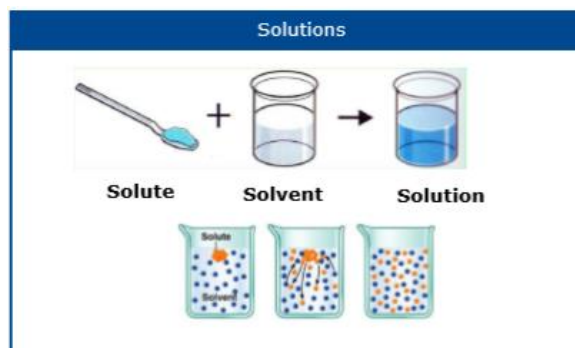
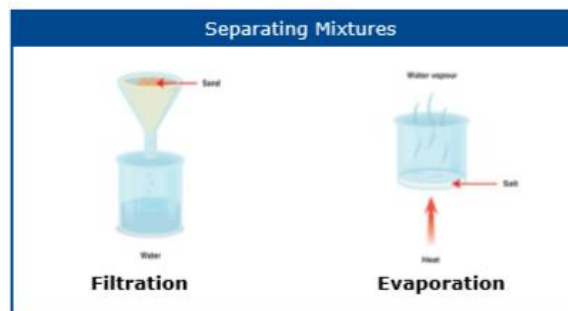




Key vocabulary	Definition
Concentration	If a solution is concentrated, more particles of the substance are present
Dissolve	When a solid becomes part of a liquid.
Evaporation	When a liquid becomes a gas.
Reversible	A change that can be undone.
Irreversible	A change that can not be undone.
Condensation	When a gas becomes a liquid.
Soluble	Substance that can be dissolved.
Insoluble	Substance that can't be dissolved.
Saturated	No more substance can be dissolved in the liquid.
Solute	Dissolved material in a solution.
Solvent	The liquid a material is dissolved in.
Residue	Material left after filtration.
Solution	Mixture from a solvent and solute.
Dilute	A solution can be made more dilute by adding more solvent

Scientific Diagrams



Sticky Knowledge

- Physical Changes are easy to reverse and no new substances formed.
- Chemical Changes are difficult to reverse and new substances formed.
- Reversible changes such as melting ice from a solid to a liquid can be reversed and become a solid again.
- Irreversible changes such as mixing bicarbonate soda and vinegar will create a new material and we can't get the old ones back.

Scientists Link



Elizabeth Blackwell

Lesson 1

Can I investigate dissolving?

Lesson 2

Can I separate materials?

Lesson 3

Can I explore evaporation?

Lesson 4

Can I research factors effecting evaporation?

Lesson 5

Can I investigate evaporation?

Lesson 6

Can I explain reversible and irreversible changes?

[Link to a text](#)

Key Scientific skills

- planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary
- taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate
- using test results to make predictions to set up further comparative and fair tests
- reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and a degree of trust in results, in oral and written forms such as displays and other presentations