

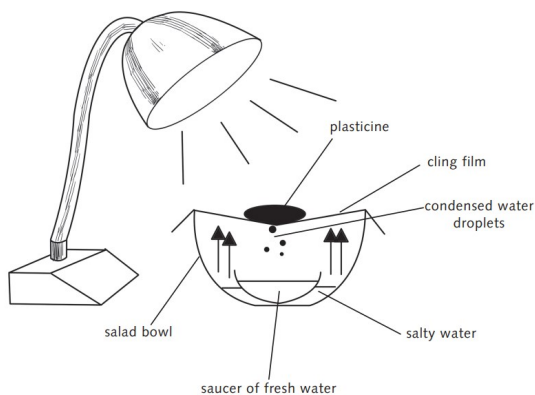


What I should already know:

Different mixtures of solids and liquids might be separated
 Materials can be solids, liquids or gases
 Materials can be heated or cooled to change their state
 Solid objects can be changes by squashing, bending, twisting and stretching
 The water cycle show how water can form in three states

By the end of this unit I will:

Learn that certain solids dissolve while others do not, and how these dissolved solids might be retrieved from a mixture.
 Know how the rate at which solids dissolve can vary, investigating variables that might make a difference.
 Use their knowledge of separating mixtures in solving a number of real world-based enquiries



Investigation:

How can we purify materials?
 How can we get drinkable water from seawater?
 How can we separate materials?

YEAR 5: Marvellous mixtures

Science: Chemistry

Marvellous Mixtures



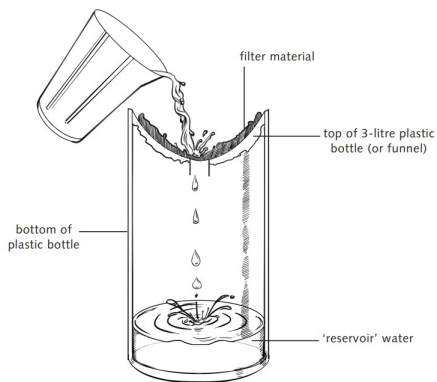
Working Scientifically

Planning different types of scientific enquires to answer questions, including recognising and controlling variables where necessary



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 degree of trust in results, in oral and written forms such as displays and other presentations.



Vocabulary

Dissolve	When a substance is mixed with a liquid and the substance disappears
Evaporate	To turn a liquid in to a gas
Filter	To pass through a device to remove unwanted material
Gas	A state of matter where the particles move about freely with no fixed shape or volume
Liquid	Having a consistency like that of water or oil, i.e. flowing freely but of a constant volume
Material	The matter from which a thing is or can be made
Mixture	A substance made by mixing other substances together
Non-reversible	It can not be changed back to what it was before
Particle	A very small portion of matter
Powder	Fine, dry particles produced by the grinding, crushing or disintegration of a solid substance
Reversible	Capable of being reversed so that the previous state is restored
Separate	To divide in to distinct elements
Solid	Something that is hard or firm, holds its shape and can be measured
Soluble	Able to be dissolved, especially in water
Solution	A liquid mixture in which the minor component is

