

Science Year 5/6 Knowledge Organiser

Which materials can or cannot be changed back to their original form?

Key knowledge

Know about materials that can or cannot be changed back to their original form once an action has been taken

Know what a reversible change means

Know what an irreversible change means

Give examples of reversible and irreversible changes

Know that some materials will dissolve in liquid to form a solution and describe how to recover a substance from a solution

Use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating

Vocabulary

dissolve

To become broken up or absorbed by something or to disappear into something else

solubility

Is a chemical property referring to the ability for a given substance to dissolve in a solvent

filtering

To pass a substance through a device which is designed to remove certain particles contained within

melting

A physical process that results in the transition of a substance from a solid to a liquid

separating

Separate, part, and divide mean to break into parts or to keep apart

thermal

Something that is thermal is hot, retains heat, or has a warming effect

End Point: I can identify if and explain how a material can be changed back to their original form.

Personal development

Children link science to everyday occurrences

Jobs it could lead to: [environmental scientist](#), [water treatment worker](#)



Prior Knowledge–

From science:

From other lessons:

From outside school: