

Science Week 2

WALT: understand what reversible and irreversible changes are.

Reversible and Irreversible Changes:

A reversible change is when we can get materials back to their original form after changing it.

An irreversible change is when we can't get the material back to its original form after changing it.

Look at the following link to find out more information about reversible and irreversible changes. See if you can think of any examples of these types of changes.

<https://www.bbc.co.uk/bitesize/topics/zcv4wx/articles/z9brcwx>

Activity 1:

Using the pictures on the next page, sort the reactions into a list of reversible and irreversible changes.

Activity 2:

Complete the following experiments to see whether they are reversible or irreversible changes. Fill in the results table to present your findings. If you don't have the resources to complete the experiments then watch the videos of the experiments being completed.

Results Table:

Experiment	Reversible or irreversible change?
Make an ice cube (Put some water in an ice cube tray, freeze it, then see if you can turn back into water in a liquid state)	
Cook an egg (Cook an egg and see if it will go back to its original form afterwards) https://www.bbc.co.uk/bitesize/clips/z9wkjxs	
Melt chocolate (Melt some chocolate, then see if you can make it go back to a solid form)	
Bake a cake, cookies etc. (As you are mixing the ingredients, think about whether they can be changed back to their original form) https://www.bbc.co.uk/bitesize/clips/z9wkjxs	
Mix vinegar and bicarbonate of soda (Can the reaction be reversed and go back to its original form?) https://www.bbc.co.uk/bitesize/clips/z9wkjxs	

Sorting Materials

Reversible Changes	Irreversible Changes

Melting chocolate



Making toast



Burning wood



Baking biscuits



Ice melting



Making concrete



Making an egg



Making an ice lolly

