

# Is it always possible to reverse a change?

## REVERSIBLE CHANGES

Reversible changes are when you can get the original materials back.



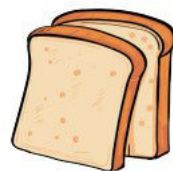
making ice cubes



mixing sugar in tea

## IRREVERSIBLE CHANGES

Irreversible changes are when you cannot get the original materials back again.



making toast



baking a cake

Solid	Firm shape or form; tightly packed molecules
Liquid	No defined shape; takes the shape of its container
Gas	Particles move freely; expands to fill container.
Reactant	The new material formed as the result of an irreversible change.
Conductor	a material that heat or electricity can easily travel through
Insulator	a material that heat or electricity does not travel through

## DISSOLVING

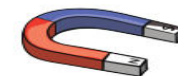
A solution is made when solid particles are mixed with liquid particles.

Materials that will dissolve are known as soluble.

Materials that won't dissolve are known as insoluble. A suspension is when the particles don't dissolve.

## SEPARATING MATERIALS

magnets – used for separating magnetic and non-magnetic materials



evaporation – used for separating a soluble solid and a liquid



filtration – used for separating a liquid and a solid



sieving – used for separating two solids



Spencer Silver invented the 'Post It Note' by mistake in 1973.

