


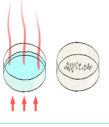


KEY KNOWLEDGE FACT SHEET

YEAR FIVE—PROPERTIES AND CHANGES OF MATERIALS

OVERVIEW

- ⇒ know that some materials will **dissolve** in liquid to form a **solution**; e.g. salt and sugar
- ⇒ Know how to recover a **substance** from a **solution** through **evaporation**
- ⇒ Know how to separate mixtures through **filtering** and **sieving**
- ⇒ Know that dissolving, mixing and melting are **reversible** changes
- ⇒ Know that some changes of state result in the formation of new materials and are **irreversible** changes e.g. burning and the effect of bicarbonate of soda/acid

KEY VOCABULARY		KEY VOCABULARY	
dissolve		a soluble solid breaks apart in a liquid	reversible change
substance		An item that is made up of one or more parts	irreversible change
solution		two substances mixed together	mixture
soluble		dissolves in water	sieving
evaporating		liquids turn into a gas through heating	filtering

reversible means that the chemicals can be bought back

irreversible changes means it cannot be changed back

made by mixing 2 substances

sieving separates 2 different solids

a filter to separate small solids from liquids