Chapter 5: Matter Knowledge organiser



pure substance

saturated solution

substance

property

properties

- so are easy to separate

- A **solution** is a type of mixture which is made up of two parts
- A solute is the part which has dissolved in the solution
- A **solvent** is the liquid part which the solute has dissolved into

• The solubility of a substance is a measure of how much of it will dissolve

- Not all solutes will dissolve in all solvents
- Solutes which do not dissolve are known as **insoluble**
- Substances which do dissolve are known as **soluble**
- or by stirring the solution
- more solute will be able to dissolve





Mixtures

• **Mixtures** are different **substances** which are together, they are not chemically bonded and

The substances which make up a mixture keep their own **properties** unlike those in a compound A mixture is an **impure** substance as it does not have a fixed melting point, instead it has a range

The **solubility** of a substance can be increased by increasing the temperature of the solution

A saturated solution is one where the maximum amount of solute has dissolved in it, no