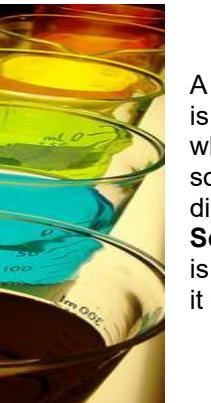


Physical and chemical changes: Reversible and Irreversible Changes

<h1>Glossary</h1>						
condensation – the process of change from a gas into a liquid to condense - verb	 A sieve separates materials	 A mixture can be separated in different ways, e.g. sieving	 Condensation	 Powder		solubility – a property of a material describing how well it will dissolve in a liquid
dissolve – when a solid becomes part of a liquid						solid – one of the three states of matter. Solids keep their shape. Ice is the solid state of water. Solids may be in the form of powders made up of very small particles
evaporation – the process of change from a liquid into a gas to evaporate - verb		This salad dressing contains solids held in suspension	 Evaporation is a change from liquid to gas	 Separating fine solid particles from a liquid can be done using a filter		soluble – when a solid dissolves in water it is said to be soluble - opposite - insoluble
filter – to separate fine solid particles from a liquid						solute – the name given to a substance dissolved in a liquid
Chemical change: an irreversible change ; a chemical reaction in which the products cannot turn back into the reactants	Some medicines dissolve in water, this means they are soluble . The tablet is the solute	 Impurities cause colour in gems.	 A solvent is a liquid in which a solid will dissolve, Solubility is how well it dissolves	 A diamond is a pure substance		solution – a liquid that has a solid dissolved in it
liquid – one of the three states of matter. Liquids pour and take on the shape of the container.	 This is a solution of instant coffee and water					solvent – a liquid in which a solid will dissolve
melt – to change from a solid into a liquid						state – All matter exists in one of three states – solid, liquid and gas
mixture – a composite of different materials that can be separated by filtering, sieving, evaporation etc.						suspension – a liquid containing tiny particles of solid that mix with the liquid but do not dissolve
powder – a solid made up of very small particles						
Physical change - a reversible change where the products can change back to reactants			 All matter is either in a solid, liquid or gas state			
sieve – to separate coarse solid particles from a liquid						