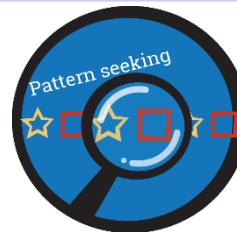


Working Scientifically Skills



WHO?

Anders Celcius



Year 1, 2, 4 and 5

Chemistry



Vocabulary

soluble	Able to be dissolved	Irreversible change	Impossible to reverse, turn back or change to its original state
insoluble	Cannot be dissolved, especially in water	Reversible change	Can be reversed to its original state
filter	A device used to remove dirt or other solids from liquids or gases	dissolve	When a substance is mixed with a liquid

WHAT?

Solubility is if a solute has the ability to be dissolved. The substance dissolving is the solute. Water is a solvent. Dissolving, mixing and changes of state are reversible changes.



1



A mixture is a combination of two or more substances. A solution is a type of mixture. In a solution, one or more substances are dissolved in another substance. Each substance in a mixture or solution can be recovered. You can use the properties of the substances to separate them from each other.



Melting is a reversible change. The melting point of a substance is when it changes from a solid to a liquid. The boiling point is when it changes from a liquid to a gas. A physical change is a change in some properties of matter without forming a different kind of matter. Physical changes do not make new substances.



3

Burning is an irreversible change and new materials are formed. Chemical changes produce a completely different kind of matter. In a chemical change, particles of one or more substances are changed in some way to form particles of new substances with different properties. You cannot get the original substances back.



4

Putting acid on bicarbonate of soda will cause a chemical change that is irreversible. Bubbles of gas attach themselves to the dried fruit and help the fruit to rise up but when they burst, the fruit drops back down again.



5