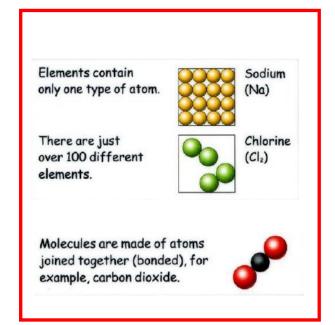
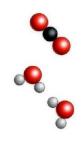
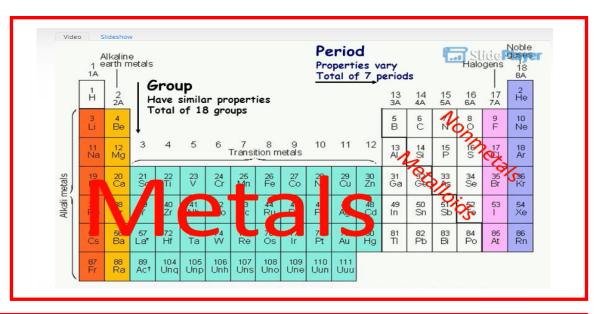


KS3 C2a

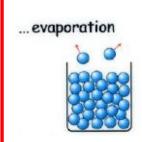
Topic outcome: Periodic Table and Separation Techniques







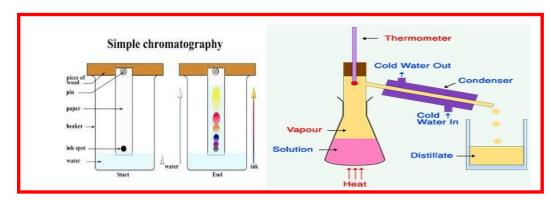
... dissolving

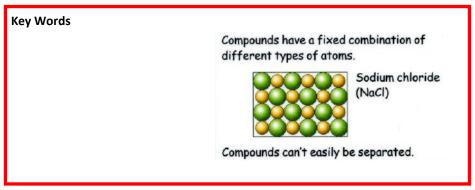


The fastest-moving particles escape from the surface of the liquid.



Particles from the solid break off and spread out amongst the particles of the liquid.







KS3 C2a

Topic outcome: Periodic Table and Separation Techniques

Things to do

Classify properties of metalloids into metallic and **non-metallic** properties.

Predict the properties of an **element**, given its position on the **Periodic Table**.

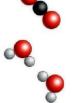
Explain how the position of an element can be used to suggest properties of elements.

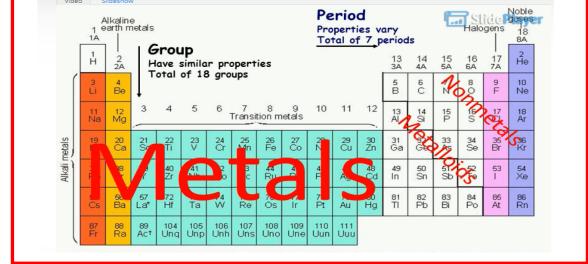
Apply patterns shown within groups or periods to unknown elements.

I can describe patterns in the properties of Group 1 elements using data given.

Compare predictions with evidence, and from reactions involving Group 1 elements.







State what an element is and recall some chemical symbols.

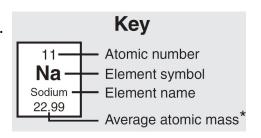
State what an atom is, its properties as a single atom and as an element.

Know a compound has more than one type of element joined together.

A compound will have different properties to the original element.

Interpreting simple chemical formula..

Describe displacement reactions of the halogens.



Describe the physical and chemical properties of the group 0 elements.

Describe particle arrangements in mixtures using the particle model.

Describe solutions using key nomenclature.

Use a particle model to explain dissolving.

Explain using a particle model the term **saturated solution**.

Explain how **filtration** works.

Describe and explain how chromatography separates mixtures.

What should you be able to do?

I can comment on a substance's purity by interpreting temperature change data.

I can explain the relationship between **solutes**, **solvents**, **and solutions**.

I can draw **particle diagrams** to represent solutions and pure substances.

I can explain why temperature affects the amount of solute dissolved in a solution.

I can use particle diagrams to illustrate how **filtering** works.

I can compare evaporation