



Everyday Chemistry







**LEARNING OUTCOMES S2 EVERDAY CHEMISTRY TOPIC**

**This is what you have learned during the topic. At the end of each part of the topic, you will be asked to ‘traffic light’ your own understanding of these outcomes.**

**Acids and their reactions**

* State the pH values for acids, alkalis and neutral substances
* Know the names of some common household acids and alkalis
* Say which colours universal indicator turns in acids, alkalis and neutral

substances

* State what is meant by neutralisation
* State what is formed when acids neutralise alkalis
* Write the general equation for acid/alkali neutralisation reactions
* Write word equations for acid/alkali neutralisation reactions
* Know the chemical name for common salt
* Give some common uses of neutralisation
* Describe different ways of changing the rate of a reaction
* Identify how a reaction has been speeded up in everyday examples.
* Interpret graphical data to compare rates of reaction

**Review of learning: Write a comment in your jotter reviewing your progress in understanding the work, carrying out practical work and your science skills such as thinking, planning, report writing.**

**Rocks and metals**

* Say where metals are found in the periodic table
* Give the physical properties of metals
* Say why some metals are found uncombined in the Earths crust
* Describe the formation of 3 classes of rocks
* Describe the features of the 3 classes of rocks
* Say why most metals are found in compounds contained in ores
* Give the names of elements in compounds ending in –ide or –ate
* Explain how the activity of a metal is related to the date of discovery, the method used to extract it from the ore and the use of the metal.
* Use the results of experiments involving metals with water, oxygen and acids to compile an activity series for metals.
* Use the results of experiments with water, oxygen and acids to place an unknown metal into the activity series.
* Say what gas is produced when metals react with acids
* Say how to carry out tests for hydrogen and oxygen

**Review of learning: Write a comment in your jotter reviewing your progress in understanding the work, carrying out practical work and your science skills such as thinking, planning, report writing.**

Your assessments in this topic included a practical investigation, homework, the rich task on metal recycling and the end of unit assessments.

For each of these assessments write 2 stars and a wish.