

Unit Overview – Chemical changes

Target grade for test:.....



You will learn about:

- The reactivity series and how we can use this commercially
- Neutralisation, Oxidation and reduction reactions
- Electrolysis

You will be able to:

- Prepare samples of pure, dry and soluble salts

Key learning points		Key Words
Reactivity series and metal oxides		
Extracting metals		
Oxidation and reduction		
Metals and acids		
Neutralisation and the pH scale		
RP preparing salts		
Strong and weak acids		
Electrolysis and half equations		
Links to other subjects:		
SMSC: Understand and appreciate the impacts of human development on the environment and describe the effects that this is having.		
Literacy: Describe observations in practical work. Explain the development of periodic table and the structure of the atom. Describe how reactivity and trends are linked to position in the periodic table.		
Numeracy: Use decimal and standard form, make simple calculations, use appropriate significant figures, construct tables and histograms, visualise and represent models in a 2D form and change the subject of an equation.		

Reactivity series
Oxidation
Reduction
Metals
Acid
Alkali
Neutral
Neutralisation
Salt
Blast furnace
Electrolysis
Electrolyte
Cathode
Anode