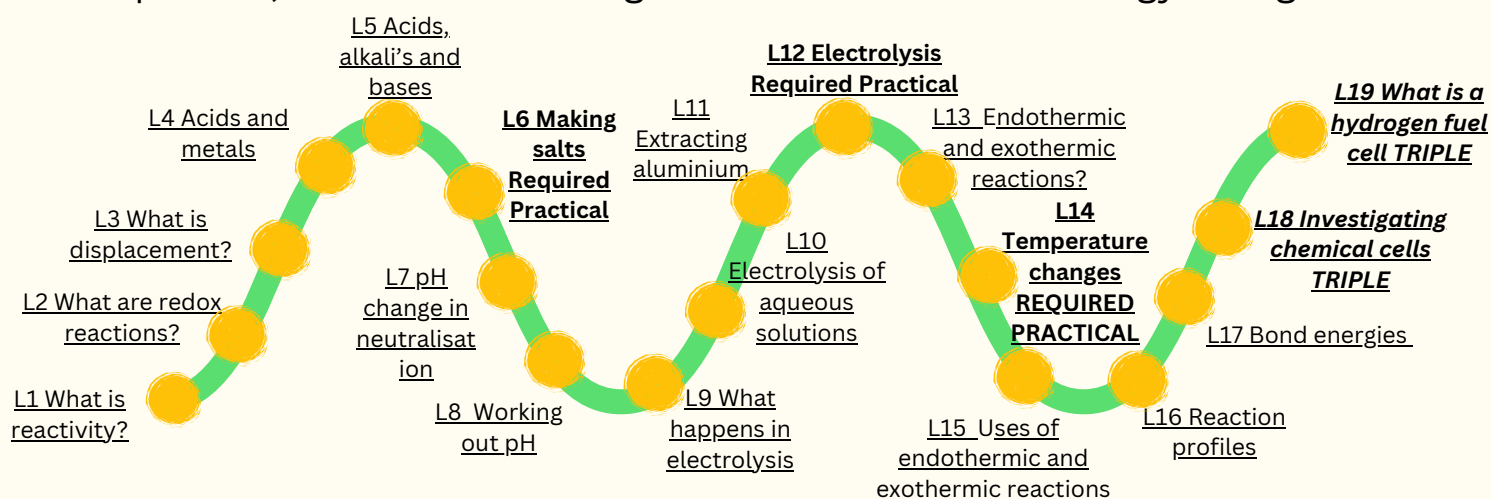


C4 Chemical Changes & C5 Energy

Changes TRIPLE

Chemistry Paper 1

In this unit, you'll learn how metals react with acids, how their reactivity determines extraction methods, and the differences between acids, alkalis, and bases. You'll explore electrolysis and how electrical energy separates elements from compounds. You'll study exothermic and endothermic reactions, measure energy transfers, interpret reaction profiles, and use bond energies to calculate overall energy changes.



Key words

- acid
- alkali
- base
- displacement
- electrolysis
- equilibrium
- half equation
- ionic equation
- metal ore
- neutral
- neutralisation
- oxidation
- pH/pH scale
- reactivity series
- reduction
- salt
- strong acids
- weak acids
- anode
- brine
- cathode
- electrolyte
- inert
- activation energy
- bond energy
- endothermic
- exothermic
- fuel cell
- reaction profile

Revision Resources

C4 Chemical changes

[Sample exam style questions](#)

[Cognito Topic 4 Chemical changes](#)

[BBC Chemical changes](#)

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[Temperature changes Required Practical](#)

[Electrolysis Required Practical](#)

C5 Energy changes

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