



# AQA GCSE Chemistry Paper 1 Revision Guide

Corrected AQA GCSE Chemistry Paper 1 revision topics and Grade 8–9 priorities for students.

## AQA Chemistry Paper 1 Revision Topics

- Atomic Structure
- The Periodic Table
- Electronic Structure
- Development of the Periodic Table
- Bonding and Structure
- Ionic Bonding
- Covalent Bonding
- Metallic Bonding
- States of Matter
- Nanoparticles
- Quantitative Chemistry
- Relative Formula Mass
- Moles Calculations
- Chemical Equations
- Concentration Calculations
- Chemical Changes
- Reactivity Series

- Extraction of Metals
- Oxidation and Reduction
- Electrolysis
- Acids and Alkalis
- Making Salts
- Energy Changes
- Exothermic Reactions
- Endothermic Reactions
- Reaction Profiles
- Chemical Cells and Fuel Cells
- Required Practicals

## **Most Important Topics for Grade 8–9**

- Moles calculations
- Electrolysis
- Bonding and structure
- Energy changes
- Acids and alkalis
- Chemical equations
- Required practicals
- Quantitative chemistry
- Reaction profiles
- Reactivity series

## **Grade 9 Skills for AQA Chemistry**

- Balancing complex equations
  - Applying chemistry to unfamiliar contexts
  - Graph interpretation
  - Data analysis
  - Six-mark extended responses
  - Evaluating required practicals
  - Using precise scientific terminology
  - Explaining trends in the periodic table
  - Writing logical chains of reasoning
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