



OCR Gateway GCSE Chemistry Paper 1 Revision Checklist

Focused OCR Gateway Chemistry Paper 1 checklist for students aiming for Grades 8-9.

Revision Topics

- C1 - Particles
- States of matter
- Changes of state
- Particle model
- Atoms, elements and compounds
- C2 - Elements, Compounds and Mixtures
- Atomic structure
- The periodic table
- Group 1, Group 7 and Group 0
- Separating mixtures
- Purity and formulations
- C3 - Chemical Reactions
- Chemical equations
- Conservation of mass
- Balancing equations

- Acids and alkalis
- Neutralisation
- Making salts
- Reactivity series
- Displacement reactions
- Oxidation and reduction
- Electrolysis
- C7 - Practical Skills
- Required practical methods
- Variables and controls
- Risk assessment
- Graph drawing and interpretation
- Evaluation and improvements

Most Important Topics for Grade 8-9

- Atomic structure and the periodic table
- Particle model and states of matter
- Acids, alkalis and neutralisation
- Making salts
- Reactivity series
- Balancing chemical equations
- Conservation of mass
- Electrolysis
- Required practical skills

Grade 9 Skills

- Use precise chemistry keywords
- Balance equations accurately
- Explain trends using atomic structure
- Show full working in calculations with units
- Interpret graphs and tables carefully
- Use data to justify conclusions
- Evaluate practical methods
- Suggest realistic improvements to experiments
- Apply knowledge to unfamiliar contexts
- Write clear six-mark answers

Prepared for GCSE Sciences