

# GCSE Chemistry Revision Planner Paper 1: Topics 8-12

AQA

When you revise a topic put a number in the Revision box to show how confident you are feeling:

1 – Excellent, feeling confident

2 – Very good, pretty confident

3 – Good, but will feel better once it is revisited

4 – Struggled, need to revise more

5 – Poor, need to revise much more

Spend at least half hour on each topic. Always revisit the lowest numbers first.

Topic		Revise 1	Revise 2	Final Prep
8. Atomic Structure and the Period Table	Atoms, Elements, Compounds			
	Mixtures			
	Development of the Model of the Atom			
	Subatomic particles; charge, size and mass			
	Relative Atomic Mass			
	Electronic Structure			
	Development of The Periodic Table			
	Metals and non-metals			
9. Bonding, structure, and the Properties of Matter	Group 0, 1 and 7			
	Ionic Bonding and Ionic Compounds			
	Giant Ionic Compounds and Properties of ionic compounds			
	Covalent Bonding, properties of small molecules, polymers			
	Giant Covalent structures (Diamond, Graphite, Fullerenes)			
	Metallic Bonding and Properties of metals and alloys			
10. Quantitative Chemistry	The three states of Matter and State Symbols			
	Conservation of Mass and Balanced Chemical Equations			
	Relative Formula Mass and Equations (Mass changes)			
	Measure of Uncertainty			
	Moles			
	Amounts of substances in Equations and Limiting Reactants			
11. Chemical Changes	Concentration of solutions			
	Metal Oxides, Oxidation and Reduction			
	The Reactivity Series			
	Extraction of Metals			
	Reactions of Acids with Metals, and Neutralisation			
	pH, Strong and Weak acids			
12. Energy Changes	Electrolysis			
	Exothermic and Endothermic Reactions			
	Energy Level Diagrams (inc. making and breaking bonds)			