

CIE IGCSE Chemistry

TOPIC CHECKLIST

Section	Topic	Studied (✓ / X)	Notes (✓ / X)	Multiple Choice (%)	Theory (%)	Alt. to Practical (%)
1. The Particulate Nature of Matter	Diffusion, Brownian Motion, Solid/Liquid/Gases					
2. Experimental Techniques	Measurement Criteria of Purity Methods of Purification					
3. Atoms, Elements and Compounds	Atomic Structure and the Periodic Table Bonding : The Structure of Matter Ions and Ionic Bonding Molecules and Covalent Bonding Macromolecules Metallic Bonding					
4. Stoichiometry	Stoichiometry The Mole Concept					
5. Electricity and Chemistry	Electrolysis Electroplating Manufacture of chlorine Manufacture of aluminium					
6. Chemical Energetics	Energetics of a Reaction Energy Transfer					
7. Chemical Reactions	Physical and Chemical Changes Rate (speed) of Reaction Reversible Reactions Redox					
8. Acids, Bases and Salts	The Characteristic Properties of Acids and Bases Types of Oxides Preparation of Salts Identification of Ions and Gases					
9. The Periodic Table	The Periodic Table Periodic Trends Group Properties Transition Elements Noble Gases					
10. Metals	Properties of Metals Reactivity Series Extraction of Metals Uses of Metals					
11. Air and Water	Water Air Nitrogen and Fertilizers Carbon dioxide and Methane					
12. Sulfur	Manufacture and Uses					
13. Carbonates	Calcium Carbonate Lime and limestone					
14. Organic Chemistry	Names of Compounds Fuels Homologous Series Alkanes Alkenes Alcohols Carboxylic Acids Polymers Synthetic Polymers Natural Polymers					