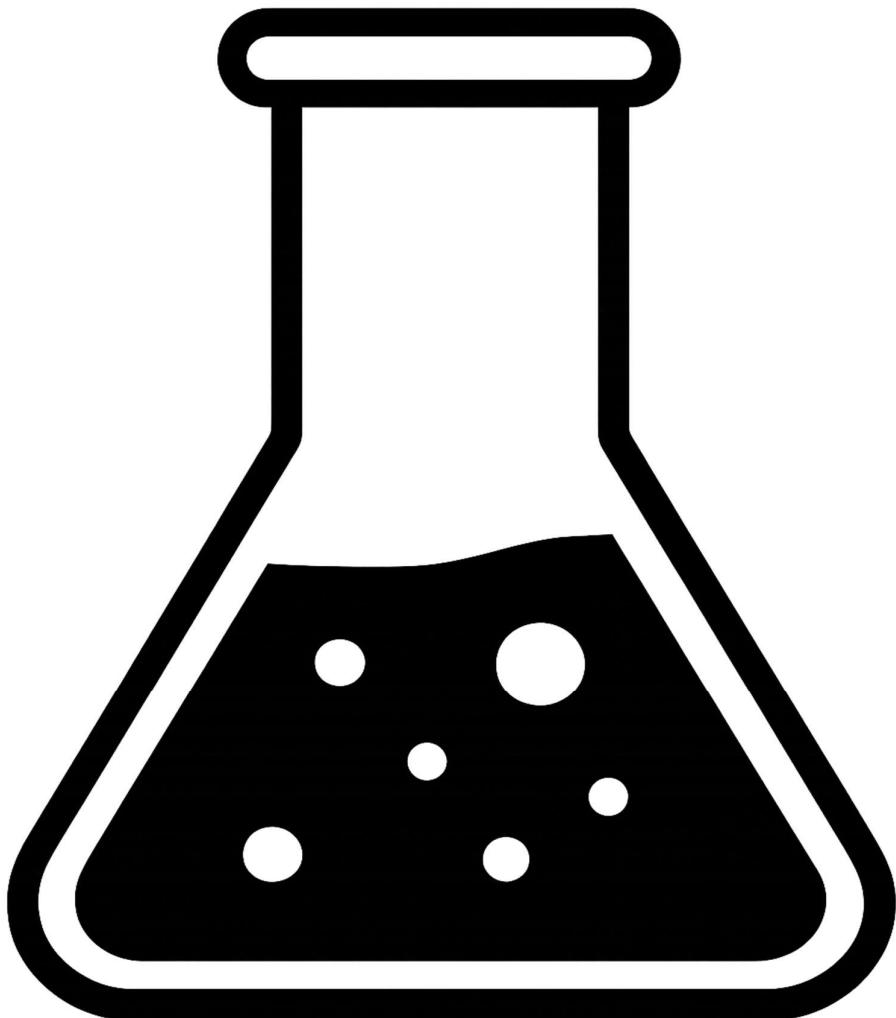


0620 IGCSE Chemistry

Checklist

Assessment Test Prep



Prepared by:
The ReviseRoom Educator Team

Revised these following topics using our summary sheet:

- Chapter 1: States of Matter
 - Properties of Solids, Liquids, and Gases
 - Diagrams of the States of Matter and Their State Changes
 - The Kinetic Particle Theory Involving State Changes
 - Heating and Cooling Curves
 - Diffusion
- Chapter 2: Atomic Structure
 - Atoms, elements, compounds, molecules, mixtures, and their differences
 - The Atomic Structure and Electronic Configuration
 - Electronic Configuration Relating to the Periodic Table
 - Subatomic Particle Properties
 - Isotopes
 - Finding Relative Atomic Mass of Isotopes
- Chapter 3: Chemical Bonding
 - Ionic Bonding
 - Covalent Bonding
 - Forces of attraction: intermolecular, electrostatic
 - Octet Rule
 - Giant Ionic Lattice
 - Giant Metallic Lattice and “Sea” of Delocalised Electrons
 - Giant Covalent Lattices
 - Diamond
 - Silicon (IV) Oxide
 - Graphite
- Chapter 13: The Periodic Table
 - Group Properties
 - G1: Alkali Metals (and G2: Alkaline Earth Metals)
 - G7: Halogens
 - G8: Noble Gases
 - Transition Metals and Their Physical and Chemical Properties
 - Metals vs Non-Metals
 - Trends Across a Period (Left to Right)
 - Metalloids
- Chapter 21: Separation Techniques and Experimental Design
 - Apparatuses
 - Liquid Volume Measurement
 - Gas Volume Measurement
 - Chromatography
 - Filtration
 - Crystallisation
 - Simple & Fractional Distillation

For better knowledge and effective revision:

- Check out the mini-drill uploaded together with this document.
- Try going for understanding of the concepts rather than memorizing.
- Review and recite key definitions and examples out loud to reinforce memory.
- Write down 3 questions you still have after reviewing, then try to answer them.
- Attempt the mini-drill with notes first. Then re-attempt it without notes after a while.
- Bookmark this file and revisit it 1 day before the test.



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