CHM 111 - General Chemistry I

Original BarTech CBT Study Guide

BarTech CBT Study Resources Library

Purpose

This original guide is a concise revision framework for university lectures, tests and C
Use this guide with your lecturer notes, official course outline and approved textbooks.

Core Topics

1. Measurement, units, significant figures and basic chemical calculations.
2. Atomic structure, isotopes, electronic configuration and the periodic table.
3. Chemical bonding, Lewis structures, molecular geometry and polarity.
4. Stoichiometry, chemical equations, limiting reagents and percentage yield.
5. States of matter, gas laws, liquids, solids and intermolecular forces.
6. Solutions, concentration units and introductory acid-base concepts.

Revision Checklist

1. Define key terms and explain the main ideas in your own words.
2. Review examples, diagrams, processes and calculations where applicable.
3. Practise questions without checking the answer before you finish.
4. Use the BarTech CBT course page for self-check and CBT practice.