CHM 121 - General Chemistry II

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. Chemical kinetics, reaction rates and factors affecting reaction speed.
2. Chemical equilibrium, equilibrium constants and Le Chatelier principle.
3. Acids and bases, pH, buffers and acid-base calculations.
4. Solubility equilibria and factors controlling precipitation.
5. Thermodynamics, spontaneity and the relationship between energy and chemical change.
6. Electrochemistry, oxidation-reduction reactions and electrochemical cells.

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.