

# AP Chemistry Comprehensive Preparation Checklist

## Core Checklist (For All AP Chemistry Students)

Task	Description	Completion
Review the AP Chemistry Course Framework	Download from College Board and understand the unit breakdown	■
Get Familiar with Calculator & Periodic Table Policies	Know what's provided on exam day and practice using them	■
Create a Weekly Study Plan	Allocate time for each unit, with revision weeks built in	■
Choose Trusted Resources	Use College Board materials, standard textbooks, and review guides	■
Take a Diagnostic Test	Identify which units need the most attention	■
Set Up a Lab Practice Plan	Include experiment analysis, safety rules, and data interpretation practice	■
Register for the Exam	Keep an eye on deadlines and exam format	■

## AP Chemistry Topic-by-Topic Checklist

Unit	Topics	Completion
Unit 1: Atomic Structure and Properties	Subatomic particles and isotopes Electron configurations and periodic trends	■
Unit 2: Molecular and Ionic Compound Structure and Properties	Bond types (ionic, covalent, metallic) VSEPR theory and molecular geometry	■
Unit 3: Intermolecular Forces and Properties	Types of IMF and their effects on physical properties Phase changes and heating curves	■
Unit 4: Chemical Reactions	Balancing equations Types of reactions (synthesis, decomposition, redox)	■
Unit 5: Kinetics	Reaction rate laws and determining order Activation energy and catalysts	■
Unit 6: Thermodynamics	Enthalpy, entropy, and Gibbs free energy Calorimetry calculations	■
Unit 7: Equilibrium	Le Châtelier's Principle Kc and Kp calculations	■
Unit 8: Acids and Bases	pH, pOH, and pKa calculations Acid-base titrations and buffers	■
Unit 9: Applications of Thermodynamics	Electrochemistry and cell potentials Faraday's laws of electrolysis	■

## What to Bring on AP Chemistry Exam Day

Category	Items to Bring	Notes
Essential Items	College Board-approved photo ID (passport or school ID for NR students) Admission ticket for the AP exam Two No. 2 pencils with erasers (for multiple-choice section) Two blue or black pens (for free-response section) Approved scientific calculator (check College Board list) Extra batteries for your calculator Clear water bottle (if allowed by test center)	Ensure your ID matches AP registration; check calculator approval list

Category	Items to Bring	Notes
Optional (Useful) Items	Light jacket or sweater (test centers can be cold) Watch (without internet or smart features) to track time Small snack for breaks	Helps with comfort and time management
Do NOT Bring	Mobile phones, smartwatches, or electronic devices Notes, books, or study materials Unapproved calculators or devices	Prohibited items may lead to disqualification

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