

PODCAST EPISODES SEASON 1



UNIT 1: ATOMIC STRUCTURE & PROPERTIES

2 - Pre-AP: Atomic Structure
3 - Pre-AP: The Periodic Table
12 - Moles, Molar Mass and Mass Spectroscopy
13 - Atomic Structure, electron configuration & PES
14 - Periodic Trends and Coloumb's Law

UNIT 2: MOLECULAR AND IONIC COMPOUND STRUCTURE & PROPERTIES

4 - Pre-AP: Chemical Bonding
5 - Pre-AP: Chemical Formulas & Naming
15 - Chemical Bonds
16 - VSEPR Theory

UNIT 3: INTERMOLECULAR FORCES & PROPERTIES

7 - Pre-AP: Introduction to Gases
8 - Pre-AP: Introduction to Solution Chemistry
17 - Intermolecular Forces
18 - Kinetic Molecular Theory & Gas Laws
19 - Aqueous Solutions

UNIT 4: CHEMICAL REACTIONS

1 - Pre-AP: Physical vs Chemical Change
6 - Pre-AP: Types of Chemical Reactions
20 - Types of Chemical Equations
21 - Dive Deeper: Stoichiometry
22 - Introduction to Types of Chemical Reactions

UNIT 5: KINETICS

23 - Reaction Rate.& Rate Law
24 - Reaction Mechanism & Rate Law
25 - Catalysis

UNIT 6: THERMODYNAMICS

29 - Energy of Chemical Reactions
30 - Heat Capacity & Calorimetry
31 - Enthalpy

UNIT 7: EQUILIBRIUM

32 - Equilibrium Constant
33 - Le Chatelier's Principle
34 - Solubility Equilibria

UNIT 8: ACIDS & BASES

35 - Acids & Bases: The Basics
36 - pH and pOH
37 - Acid-Base Titrations
38 - Buffers

UNIT 9: APPLICATIONS OF THERMODYNAMICS

39 - Entropy
40 - Gibb's Free Energy
41 - Galvanic & Electrolytic Cells
42 - Electrolysis

EXAM PREP

9 - AP Overview & Exam Structure
10 - Science Practices & big Ideas
11 - AP Chemistry Units
26 - Listener's Choice I
27 - Midterm Review
28 - Listener's Choice II
43 - Listener's Choice III
44 - Multiple Choice Strategies
45 - FRQ Annotation
46 - Test Taking Tips: 2021