

Chapter 1**Ch 1. Pt 1:**

1. Inference
2. Classification
3. Hypothesis
4. Theory
5. Model

Ch 1. Pt 2:

1. Quantity
2. Units
3. SI base units
4. Area
5. Volume

Ch 1. Pt 3:

1. Data
2. Density
3. Slope
4. Constant

Ch 1. Pt 4:

1. Microscopic observations
2. Chemical changes
3. Physical changes
4. Melting
5. Solid
6. Liquid
7. Gas
8. Submicroscopic
9. Fluid

Chapter 8**Ch 8. Pt 1:**

1. John Dalton
2. Electrode
3. Anode
4. Cathode
5. Cathode-ray tube
6. J.J. Thomson
7. Fluorescent
8. Proton
9. Cation
10. Anion

Ch 8. Pt 2:

1. Ernest Rutherford
2. Henri Becquerel
3. Radiation
4. Radioactivity
5. Alpha radiation
6. Beta radiation
7. Gamma radiation
8. Ernest Rutherford
9. Nucleus
10. Amadeo Avogadro

Ch 8. Pt 3:

1. Neutron
2. Atomic Number
3. Mass Number
4. Isotope

Chapter 10**Ch 10. Pt 1:**

1. Frequency
2. Wavelength
3. Amplitude
4. Continuous Spectrum
5. Photons
6. Node
7. Max Planck
8. Electromagnetic Waves
9. X-rays

Ch 10. Pt 2:

1. Bright-line spectrum
2. Niels Bohr
3. Energy Levels
4. Ionization Energy
5. Quantum mechanics
6. Probability
7. Orbital
8. Ground State
9. Principal Quantum Number

Ch 10. Pt 3:

1. Pauli Exclusion Principle
2. Electron Configuration

Chapter 11**Ch 11. Pt 1:**

1. Dmitri Mendeleev
2. Periodic Law
3. Group
4. Chemical Family
5. Periods
6. Alkali Metals
7. Representative Metals
8. Transition Metals
9. Inner-transition Metals

Ch 11. Pt 2:

1. Outermost Orbitals
2. Valence Electrons
3. Core Electrons
4. Isoelectronic
5. Alkaline Earth Metals
6. Halogens

Ch 11. Pt 3:

1. Periodic Trends
2. Atomic Radius
3. Shielding