

Unit 4 and 5 TEST Topics

Parts of a Wave

Wave particle Duality

Energy and Waves

Photoelectric effect

Emission Spectrum

Ground State vs Excited State

Longhand Configurations

Noble Gas Shorthand

Orbital Diagrams and Rules

Quantum Numbers

Orbitals (Shapes/Meanings)

Periodic Table (scientists and what they did)

Five groups (names, properties)

Metals/nonmetals/metalloids

Coulombs Law (what it means)

Atomic Radii (Periodic trend and reasons)

Ionization Energy (Periodic trend and reasons)

Electronegativity (Periodic trend and reasons)

Ions (Cations and Anions) Formation process and sizes

Oxidation Numbers - Oxidation process