

Physical Science 2017 Midterm

Know:

How to balance chemical equations

Bohr Models

Subatomic particles and their properties

Determining the number of protons, neutrons, and electrons of an atom

Isotope

Naming Compounds and Writing Formulas

The Scientific Method

Control, Independent, and Dependent Variables

Scientific Law vs Scientific Theory

Density

Creating a Graph from a Chart (Know Bar Graph, Line Graph, Circle/Pie Graph)

Electron Cloud Model

Quark

Atomic Mass, Atomic Number, Average Atomic Mass

Reading the Periodic Table

Groups and Periods

Types of Elements (Families like Alkali Metals, Metalloids, Nonmetals, etc)

Electron Dot Diagrams

Mixed Groups

Polyatomic Ions

Oxidation Number

Binary Compound

Chemical Reaction

Reactants, Products

Law of Conservation of Mass

Subscripts, Superscripts, Coefficients

Types of Chemical Reactions

Catalyst

Inhibitor

Motion

Distance and Displacement

Speed-Average, Constant, Instantaneous

Calculating Acceleration and Velocity (and what those are conceptually)