

Study Guide for Open Notebook Test

Open Notebook

All major material that we have covered

What is matter?

Mass

Volume

Density

Measurement – SI units, conversions, and be able to measure

The 4 states of matter- shape volume and particles

The kinetic theory of matter

Be able to use lab equipment

Lab safety

Scientific Method- know and apply

Solution

Solvent

Solute

Mixture- heterogeneous and homogeneous

Colloid

suspension

Compound

Element

Types of graphs

X and Y axis on graphs

Periodic table

Be able to read the periodic table

Period

Group

How are the elements arranged on the table? By increasing atomic # from left to right across the period

Left to right on the periodic table- (Metals, transition metals, metalloids, nonmetals)

Chemical and physical property

Chemical and physical change

Atomic #

Atomic mass

Protons, neutrons and electrons- know what they are, where they are, and be able to calc.

Equations – parts subscript, superscript, coefficient, yield, product, reactant

Law of Conservation of Mass- know its significance and apply to equations

Observation

Inference

DV

IV

Force

Motion

Velocity
Air resistance
Gravity
Speed
Kinetic theory of matter
Structure
Compression
Tension
Bridge
Span
Deck abutment
Live load
Dead load
What architects need to consider when designing a structure
Terminal velocity
Newton's 3 Laws of Motion
Review labs
Review all handouts
Review quizzes and tests
Review all chapters that we have covered
Review all notes