

Classroom Expectations

- Classroom behavior will follow this rule.
 - I. RESPECT!!!**
- Lab safety will be strictly followed. See *Lab Safety Contract*.
- Students will take responsibility for learning and understanding the principles of chemistry.
- Students will develop logical thinking skills that will pertain to everyday life.

Grading System

- Grades will be determined on a total point & percentage system. Your total points will come from problem sets, labs and exams. First quarter = 40%, Second quarter = 40%, Final Exam = 20%.
- **Late work is worth 50%**, until the unit test has been taken. **I WILL NOT accept late work after the unit test.**
- All exams **MUST** be completing during the assigned class period.
- I will grade on the standard grading scale 90, 80, 70, 60 (rounding up).

What is Chemistry?

- Simply defined Chemistry is the science of matter; the branch of the natural sciences dealing with the composition of substances and their properties and reactions.

What do I need for this class?

- A **2" three-ring binder**! (or larger)
- A scientific calculator

Topics we will cover:

1st Semester:

- (review) *Scientific Method, Measurement & Problem Solving (Chpt 1-2)*
- (review) *Matter & Energy (Chpt 3)*
- Structure of the Atom & Nuclear Chemistry (Chpt 4, 17)
- Chemical Formulas & Stoichiometry (Chpt 5, 6)
- Chemical Equations & Mathematics (Chpt 3, 7)
- Phases of Matter (Chpt 12)
- Gas Laws (Chpt 11)
- Electron Configurations & The Periodic Table (Chpt 9)

2nd Semester

- Chemical Bonding (Chpt 10)
- Solutions (Chpt 13)
- Kinetics & Thermodynamics (Chpt 12)
- Chemical Equilibrium (Chpt 15)
- Acids, Bases & Salts (Chpt 14)
- Acid Base Reactions (Chpt 14)
- Oxidation/Reduction (Chpt 16)