Chemistry Unit 1 – Chemistry Basics

|  |  |  |
| --- | --- | --- |
| Date | Classwork | Homework |
| 08/03 | -Introductions (Syllabus, Reference Tables, Etc.)  -Lab Safety (POGIL) Bell Ringer  -Density WS #1 | - Read and sign syllabus and safety contract  - Finish Density WS  \*Elements Quiz Monday 08/07\* |
| 8/04 | -Density Bell Ringer  -Go over density WS #1  -Density WS #2  -Intro to Scientific Notation | -Density WS #2  \*Elements Quiz Monday 08/07\* |
| 08/07 | -**Elements Quiz**  -Scientific Notation Bell Ringer  -Matter and Math Basics Intro Notes  \*Show how to use website  \*Pass out Goggles and Aprons | -Scientific Notation WS  \*Unit 1 Test 08/22/17 |
| 08/08 | -Safety Rules and Lab Equipment Bell Ringer  -Significant Figures POGIL | -Lab Equipment WS  \*Unit 1 Test 08/22/17 |
| 08/09 | -Sig Fig Bell Ringer  -Go over Sig Fig POGIL  -Metric Conversions Notes | -Metric Conversions WS #1  \*Unit 1 Test 08/22/17 |
| 08/10 | -Go over Metric Conversions WS #1 Answer Key  **-Lab: Volume** | -Metric Conversions WS #2  -Study for Quiz (Density, Sci Notation, Sig Figs, Metric Conversion)  \*Unit 1 Test 08/22/17 |
| 08/11 | **-Quiz** (Density, Sci Notation, Sig Figs, Metric Conversion)  -Go over Metric Conversions WS #2  -States of Matter Notes | -Classification of Matter POGIL  \*Unit 1 Test 08/22/17 |
| 08/14 | -Classification of Matter Bell Ringer  -Go over POGIL  -Classification of Matter WS, go over in class | -States of Matter WS  \*Unit 1 Test 08/22/17 |
| 08/15 | **-**Moles Bell Ringer  -Mole Town Notes  -Mole Conversions Problem Set 1 | - Mole Conversions Problem Set 2  \*Unit 1 Test 08/22/17 |
| 08/16 | -Go over Mole Conversions Problem Set 2  -More mole practice ☺ | -Chemistry Basics Optional Problem Set for Extra Credit (due on test day)  -Finish Problem set started in class  \*Unit 1 Test 08/22/17 |
| 08/17 | -**Density Lab** (\*This will be your first formal lab report) | - Read a Sample Lab Report  \*Unit 1 Test 08/22/17 |
| 08/18/17 | **-Pancake Lab**: How to Write a Formal Lab Report? | - Complete Unit 1 Packet  -Extra Credit Problem Set |
| 08/21/17 | **-**Unit 1 Review Bell Ringer  -Formal Lab Report Guidelines  -Unit 1 packet, extra credit problem set, study | -Unit 1 packet MUST be complete  -Extra Credit Problem Set due  -Density Formal Lab Report due 08/28/17  \*Unit 1 Test 08/22/17 |
| \*08/22/17 | **Unit 1 TEST** | -Start Unit 2 Packet |

**Objectives: (what you need to know to be successful on the test)**

1. Know and understand the rules of lab safety.
2. Define and calculate density. Be able to identify a metal using density.
3. Be able to calculate percent error of data.
4. Be able to use scientific notation correctly.
5. Know what types of lab equipment there are and what they are used for.
6. Understand the reasoning behind and be able to apply the rules of significant figures.
7. Convert between units in the metric system.
8. Be able to explain the difference and identify what mixtures, compounds, and elements are.
9. Know properties of solids, liquids, and gases.
10. Convert between grams, moles, molecules, and atoms of a specified substance.

**Unit 1 Packet contains the following:**

- Density WS #1 and #2 -Sig Fig POGIL -States of Matter WS

- Sci Notation WS -Metric Conversions WS #1 and #2 -Mole Conversions WS 1-3

-Lab Equipment WS -Classification of Matter POGIL -Sample Lab Report

-Formal Lab Report Guidelines

\*The entire packet must be completed and stapled securely together on test day. You will be graded on each individual assignment.