Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Sept. 23 – Sept. 27

**AP Chemistry Roadmap**

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| **Date** | **Objectives/Agenda** | **Textbook\*** |
| Mon, 9/23 | You will be able to...   * Identify the limiting reagent in a chemical equation * Identify the excess reagent in a chemical equation * Calculate theoretical yield for a chemical equation | Chapter 3  Sec. |
| Tues, 9/24 | **STOICHIOMETRY QUIZ:** Mole conversions, railroad stoichiometry, limiting reactants, theoretical yield, etc.  Tracking data: Going over the AP Frameworks and learning objectives |  |
| Wed, 9/25 | You will be able to...   * Identify single-replacement and double-replacement chemical reactions * Understand how different states of matter are represented in chemical equations (solid, liquid, gas, aqueous) * Translate between molecular, ionic, and net ionic chemical equations | Chapter 4, Sections 4.4 – 4.5 |
| Thurs, 9/26 | LAB DAY!!! Precipitation Reaction Lab  You will be able to...   * Explain the characteristics of a precipitation reaction. * Identify precipitation reactions based on observations * Defend solubility rules for different ions using experimental data * Identify the “spectator ions” in chemical reactions and understand the role of those ions. * Use molecular, ionic, and net ionic equations to represent chemical reactions you observe in lab | Chapter 4  Sections 4.5 – 4.7 |
| Fri,  9/27 | You will be able to...   * Recognize and predict the products of a synthesis reaction * Recognize and predict the products of a decomposition reactions * Recognize and predict the products of a precipitation reaction | See Thurs. |
| **HW problems, due FRIDAY, 9/27:** Column notes for Chapter 4, sections 4.4 – 4.7, and Ch. 4 #s  Theseare graded for **EFFORT and COMPLETION**. You will get full credit for showing your work and your answer for each problem, even if your answer is incorrect. **A list of answers with no work shown will receive a maximum grade of 50%.**  **Homework due Monday:** Bring in column notes for Chapter 4, sections 4.8, 4.9, and 4.10 | | |