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 3Sec.  |
| 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 LabYou 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 4Sections 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 |