

Date: _____

AP Chemistry

Chapter 4 – Aqueous Reactions and Solution Stoichiometry (Syllabus)

Chemistry: The Central Science

1. Read entire chapter pgs. 118-163. Read through Section 4.2 & take notes through Section 4.1 for tomorrow.
2. **Net ionic equations:** 4.1 - 4.4 (Major item on AP exam \approx 10% of exam)
3. **Review what was covered last year:** Double displacement rxns. (metathesis, ion exchange, precipitation rxns.) and single displacement rxns.
4. **“Possibly” New Topics &/or more in-depth than last year:**
 - ✓ Acid-Base Rxns. (4.3)
 - ✓ Oxidation-reduction (redox) Rxns. (4.4)
 - ✓ Concentrations of Solutions (Molarity) (4.5)
 - ✓ Solution Stoichiometry (4.6)
5. **Labs:**
 - ❖ “Experiment 6: Chemical Reactions of Copper and Percent Yield”
6. **Chapter 4 Exercises:**
 - ✓ You are responsible for ALL of the “Visualizing Concepts” & “Exercises” at the end of Ch. 4.
 - ✓ Remember to start with the Focus Problems (given in class) and then progress from there, ending with the “Additional & Integrative Exercises”.
 - ✓ All Focus Problems, Additional Exercises, and Integrative Exercises will be given in class.
 - ✓ Visualizing Concepts & Exercises: #'s 2, 3, 6, 12, 15, 19, 23, 24, 27, 29, 33, 35, 37, 39, 41, 43, 49, 51, 53, 55, 61, 69, 71, 73, 75, 79, 81, 83 & 87
 - ✓ Additional Exercises: #'s 94, 97, 101 & 104
 - ✓ Integrative Exercises: #'s 106, 108 & 110
7. Possible quizzes and homework problems: will be announced at least one day ahead of time.
8. **Test:** The Ch. 4 Test will be in about 2 weeks.