

## AP Chemistry Unit 2 Test – Study Guide

### Big Review of Honors Chemistry

#### Format

- MC
- Open-ended
- Equation writing

---

#### • **The focus of this unit is:**

- Dilution Problems
- Molarity and making solutions problems – ex. w/ mass of solution
- Titration lab calculations – double-replacement acid-base reaction
- Stoichiometry – Limiting reagent, percent yield
- Also know
  - Hydration: Strong, Weak, nonelectrolytes – pg. 52 handbook
  - Acid-Base Theories – Arrenius, Bronsted-Lowry, Lewis
  - Chemical reactions (Equation writing)
    - Redox
    - Other types on other SG
      - Precipitation Reactions
      - Formation of a Gas
      - Acid-Base Neutralization Reactions
      - Synthesis and Decomposition Reactions -
      - Single Replacement Reactions
  - Complex ions – ligand relationship to Lewis acid-base theory, counter ion, as metal (Pgs. 23, 79 Handbook)

#### Study from

- Text questions in outline
- Chem. Eqn. Handbook – rxns.
- Solutions Wkst is more advanced, but titration question is good though