

Name  
TA

Chemistry 11  
2021-2022



**LG 4:**

- How to determine if a solution will dissolve and produce ions
- How to PROPERLY balance a total and net ionic equation
- The properties of acids and bases according to Arrhenius
- How to calculate the concentration of a solution
- How to do the various calculations involved in a titration

**LG 5:**

- The physical characteristics of gases
- How to use Boyle's Law and can relate it to everyday situations
- How to use the ideal gas law to solve for unknown amounts
- How to use a balanced chemical equation to calculate volumes of gases

**LG 6:**

- The Laws of conservation of energy
- The different types of energy discussed in chapter 6 (Radiant, Thermal, Chemical, Potential) and can provide examples of each
- How to define the various characteristics of a thermodynamic reaction (Closed, Open, Isolated System, Surroundings, Exothermic and Endothermic Reactions)

## Unit 1 Study Guide

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