



715 W. PLATT STREET
TAMPA, FL 33606

(813) 254-5437

At Disciplined Minds Tutoring we believe an insatiable curiosity combined with effective habits of mind are crucial to attaining academic success as well as essential life skills. Our four-step approach ensures that our students develop a mastery of the subjects we teach.

AP CHEMISTRY GROUP REVIEW

GENERAL INFORMATION

4 – week course

Sundays 04/15, 04/22, 04/29, 05/06

5:00 PM - 7:00 PM

Maximum of 8 students / class

Cost: \$60/class

- Stoichiometry / Reactions
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 - Empirical/Molecular Formulas
 - Writing Reactions
 - Types of Reactions
 - Gas Laws
- Kinetics and Thermodynamics
 - Rate Laws
 - Collision Theory
 - Enthalpy
 - Entropy
 - Gibbs Free Energy
- Equilibrium
 - K_{eq}
 - K_p/K_c
 - Connections to Thermo
 - Aqueous Solubility (K_{sp})
- Acid-Base Equilibria
 - Acid-base definitions
 - Titrations and Buffers
 - Acidity – Structural Features
 - $K_a/K_b/K_w$
- Electrochemistry
 - Oxidation-Reduction
 - Cell Potential / Redox Potentials
 - Galvanic / Voltaic Cells/ Electrolytic Cells
 - Faraday's constant