

Thermodynamics of Combustion & Thermochemistry

- Review of 1st Law Concepts
- Properties of Mixtures (Review)
- Reactant & Product Mixtures
 - Stoichiometry
 - Absolute Enthalpy & Enthalpy of Formation
 - Enthalpy of Combustion & Heating Values
- Adiabatic Flame Temperature
- Chemical Equilibrium
 - Equilibrium Constants
 - Dissociation
- Equilibrium Products of Combustion