

CHAPTER OVERVIEW

3: Chemical Thermodynamics

3.1: Introduction to Thermodynamics

3.2: Bond Energies

3.2.1: Enthalpy Changes in Reactions

3.2.2: Enthalpy Changes in Reactions II

3.2.3: Entropy Changes in Reactions

3.2.4: Free Energy and Equilibrium

3.2.5: Free Energy Changes in Reactions

3.2.6: Reversibility and Le Chatelier

3.3: Describing a Reaction - Energy Diagrams and Transition States

3.3.1: Potential Energy Surfaces

3.3.2: The Potential-Energy Surface Can Be Calculated Using Quantum Mechanics

3.3.3: The Hammond Postulate

3.4: Reactivity and Selectivity

3.5: The Principle of Microscopic Reversibility

3.5.1: Microscopic Reversibility and the Second Law

3.6: Sterics and Conformation

This page titled [3: Chemical Thermodynamics](#) is shared under a [not declared](#) license and was authored, remixed, and/or curated by [Layne Morsch](#).