

CHAPTER OVERVIEW

10: Thermochemistry

10.1: On Fire, But Not Consumed

10.2: The Nature of Energy - Key Definitions

10.3: The First Law of Thermodynamics - There Is No Free Lunch

10.4: Quantifying Heat and Work

10.5: Measuring ΔE for Chemical Reactions- Constant-Volume Calorimetry

10.6: Enthalpy- The Heat Evolved in a Chemical Reaction at Constant Pressure

10.7: Measuring ΔH for Chemical Reactions- Constant-Pressure Calorimetry

10.8: Relationships Involving ΔH_{rxn}

10.9: Determining Enthalpies of Reaction from Bond Energies

10.10: Determining Enthalpies of Reaction from Standard Enthalpies of Formation

10.11: Lattice Energy

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