

Unit 8 Reading List

THERMAL ENERGY AND LAWS OF THERMODYNAMICS

Unit 8	
Lesson	Reading Section
8.1.1	Ch 13.1: Temperature Ch 13.2: Thermal Expansion of Solids and Liquids
8.1.2	Ch 13.3: The Ideal Gas Law Ch 13.4: Kinetic Theory: Atomic and Molecular Explanation of Pressure and Temperature
8.2.1	Ch 14.1: Heat Ch 14.2: Temperature Change and Heat Capacity
8.2.2	Ch 14.3: Phase Change and Latent Heat Ch 14.4: Heat Transfer Methods
8.3.1	Ch 15.1: The First Law of Thermodynamics Ch 15.2: The First Law of Thermodynamics and Some Simple Processes Ch 15.1 and 15.2 combined (IUPAC Sign Convention)
8.3.2	Ch 15.3: Introduction to the Second Law of Thermodynamics: Heat Ch 15.4: Carnot's Perfect Heat Engine: The Second Law of Thermodynamics Restated Ch 15.5: Applications of Thermodynamics: Heat Pumps and Refrigerators Ch 15.3-15.5 combined (IUPAC Sign Convention)