

## CHAPTER OVERVIEW

### 3: Entropy and the Second and Third Laws

- 3.1: Energy Does not Determine Spontaneity
- 3.2: Introduction to the Second Law
- 3.3: Heat Engines and the Carnot Cycle
- 3.4: Entropy
- 3.5: Nonequilibrium Isolated Systems Evolve in a Direction That Increases Their Energy Dispersal
- 3.6: Calculating Entropy Changes
- 3.7: We Must Always Devise a Reversible Process to Calculate Entropy Changes
- 3.8: Comparing the System and the Surroundings
- 3.9: Heat Capacity as a Function of Temperature
- 3.10: The Third Law
- 3.11: Absolute Entropy
- 3.12: Evaluating Entropy Changes Using Thermochemical Cycles

---

3: Entropy and the Second and Third Laws is shared under a [not declared](#) license and was authored, remixed, and/or curated by LibreTexts.