

CHAPTER OVERVIEW

Chapter 8: Thermal Physics

- [8.1: Introduction to Thermal Physics](#)
- [8.2: Temperature](#)
- [8.3: The Ideal Gas Law](#)
- [8.4: Heat](#)
- [8.5: Heat Transfer Methods](#)
- [8.6: Temperature Change and Heat Capacity](#)
- [8.7: Phase Change and Latent Heat](#)
- [8.8: The First Law of Thermodynamics](#)
- [8.9: The First Law of Thermodynamics and Heat Engine Processes](#)
- [8.10: Introduction to the Second Law of Thermodynamics- Heat Engines and Their Efficiency](#)
- [8.11: Carnot's Perfect Heat Engine- The Second Law of Thermodynamics Restated](#)
- [8.12: Applications of Thermodynamics- Heat Pumps and Refrigerators](#)
- [8.13: Entropy and the Second Law of Thermodynamics- Disorder and the Unavailability of Energy](#)
- [8.14: Statistical Interpretation of Entropy and the Second Law of Thermodynamics- The Underlying Explanation](#)
- [8.E: Thermal Physics \(Exercises\)](#)

This page titled [Chapter 8: Thermal Physics](#) is shared under a [CC BY 4.0](#) license and was authored, remixed, and/or curated by [OpenStax](#).