

## CHAPTER OVERVIEW

### 5: Gases

#### Chemical Principles (Zumdahl and Decoste) Textmap Alternative

##### Topic hierarchy

- 5.1: Early Efforts to Understand Gases
- 5.2: The Gas Laws of Boyle, Charles, and Avogadro
- 5.3: The Ideal Gas Law
- 5.4: Gas Stoichiometry
- 5.5: Dalton's Law of Partial Pressures
- 5.6: The Kinetic Molecular Theory of Gases
- 5.7: Effusion and Diffusion
- 5.8: Collisions with Container Walls
- 5.9: Breaking the Ideal Gas Law: Intermolecular Collisions
- 5.10: Real Gases
- 5.11: Characteristics of Several Real Gases
- 5.12: Chemistry in the Atmosphere

---

5: Gases is shared under a [CC BY-NC-SA 4.0](https://creativecommons.org/licenses/by-nc-sa/4.0/) license and was authored, remixed, and/or curated by LibreTexts.