

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

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