

CHAPTER OVERVIEW

2: Gases

Physical Chemistry: Thermodynamics

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Gases comprise a very important type of system that can be modeled using thermodynamics. This is true because gas samples can be described by very simple equations of state, such as the ideal gas law. In this chapter, both macroscopic and microscopic descriptions of gases will be used to demonstrate some of the important tools of thermodynamics.

[2.1: The Empirical Gas Laws](#)

[2.2: The Ideal Gas Law](#)

[2.3: The Kinetic Molecular Theory of Gases](#)

[2.4: Kinetic Energy](#)

[2.5: Graham's Law of Effusion](#)

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