

CHAPTER OVERVIEW

12: Kinetics

A general chemistry Libretexts Textbook remixed and remastered from
OpenStax's textbook:
General Chemistry

Chemical kinetics is the study of rates of chemical processes and includes investigations of how different experimental conditions can influence the speed of a chemical reaction and yield information about the reaction's mechanism and transition states, as well as the construction of mathematical models that can describe the characteristics of a chemical reaction.

- [12.1: Prelude to Kinetics](#)
- [12.2: Chemical Reaction Rates](#)
- [12.3: Factors Affecting Reaction Rates](#)
- [12.4: Rate Laws](#)
- [12.5: Integrated Rate Laws](#)
- [12.6: Collision Theory](#)
- [12.7: Reaction Mechanisms](#)
- [12.8: Catalysis](#)
- [12.E: Kinetics \(Exercises\)](#)

Thumbnail: Molecular collisions frequency. (Public Domain; Sadi Carnot via [Wikipedia](#))

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