

CHAPTER OVERVIEW

15: Chemical Kinetics

Chemical Principles (Zumdahl and Decoste) Textmap Alternative

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.

Topic hierarchy

- 15.1: Reaction Rates
- 15.2 Rate Laws: An Introduction
- 15.3: Determining the Form of the Rate Law
- 15.4: The Integrated Rate Law
- 15.5: Rate Laws: A Summary
- 15.6: Reaction Mechanisms
- 15.7: The Steady-State Approximation
- 15.8: A Model for Chemical Kinetics
- 15.9: Catalysis

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