

## CHAPTER OVERVIEW

### 16: Kinetics- Rates and Mechanisms of Chemical Reactions

A general chemistry Libretexts Textmap organized around the textbook

## Chemistry: The Molecular Nature of Matter and Change

by Martin Silberberg

I II III IV V VI VII VIII IX X XI XII XIII XIV XV XVI XVII  
XVIII XIX XX XXI XXII XXIII XXIV

Template:HideTOC

#### Topic hierarchy

- 16.1: Focusing on Reaction Rate
- 16.2: Expressing the Reaction Rate
- 16.3: The Rate Law and Its Components
- 16.4: Integrated Rate Laws - Concentration Changes over Time
- 16.5: Theories of Chemical Kinetics
- 16.6: Reaction Mechanisms - The Steps from Reactant to Product
- 16.7: Catalysis - Speeding Up a Reaction
- 16.E: Kinetics- Rates and Mechanisms of Chemical Reactions (Exercises)

16: Kinetics- Rates and Mechanisms of Chemical Reactions is shared under a [CC BY-NC-SA 4.0](#) license and was authored, remixed, and/or curated by LibreTexts.