

CHAPTER OVERVIEW

9: Chemical Kinetics

Chemical kinetics is the study of the speed with which a *chemical* reaction occurs and the factors that affect this speed. This information is especially useful for determining how a reaction occurs.

Topic hierarchy

- [9.1: Reaction Rates](#)
- [9.2: Reaction Order](#)
- [9.3: Molecularity of a Reaction](#)
- [9.4: More Complex Reactions](#)
- [9.5: The Effect of Temperature on Reaction Rates](#)
- [9.6: Potential Energy Surfaces](#)
- [9.7: Theories of Reaction Rates](#)
- [9.8: Isotope Effects in Chemical Reactions](#)
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- [9.11: Oscillating Reactions](#)
- [9.E: Chemical Kinetics \(Exercises\)](#)

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