Table of Contents

- Part 1 Chemical Kinetics
- Introduction
- A Closer Look at Chemical Reactions
- Rate in Chemical Kinetics
- Factors Determining the Rate of a Chemical Reaction
- Determining Experimental Rate Equations at a Fixed Temperature
- The Effect of Temperature on the Rate of a Chemical Reaction
- Elementary Reactions
- Reaction Mechanism
- Part 2 The Mechanism of Substitution
- Organic Reactions
- Reaction Mechanisms
- Ionic Substitution Reactions
- SN2 and SN1 Reaction Mechanisms
- SN2 Versus SN1
- Part 3 Elimination: Pathways and Products
- Introduction: ß-Elimination Reactions
- The E2 Mechanism
- The E1 Mechanism
- Elimination Versus Substitution
- Other Useful Elimination Reactions
- Case Study: Shape-Selective Catalysis Using Zeolites