

## CONTENTS

1. Reading Nomenclature	1
2. Searching the Literature	20
3. Stereochemistry	36
4. Functional Group Transformations	68
5. Carbon-Carbon Bond Formation	108
6. Planning Multistep Syntheses	137
7. Mechanisms and Predictions	177
8. Electron Delocalization, Aromatic Character, and Pericyclic Reactions	229
9. Physical Influences on Reactions	269
10. Interpretation of NMR Spectra	288
Index	329