CONTENTS in Brief

CONTENTS

Mass Relationships in Chemical Reactions 78

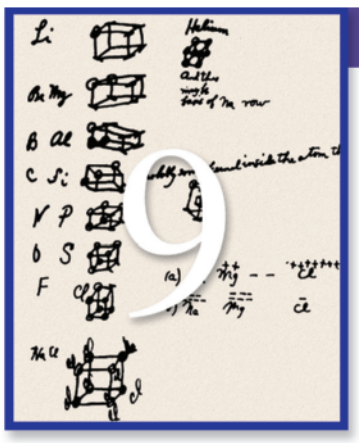
Reactions in Aqueous Solutions 120

Gases 172

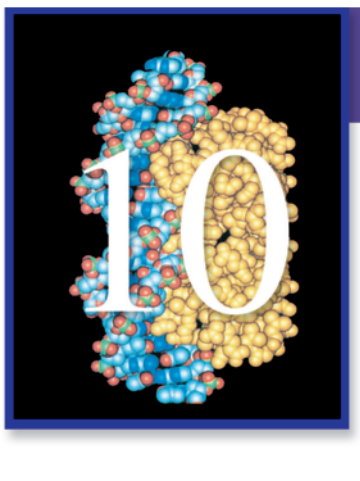
Thermochemistry 228

Quantum Theory and the Electronic Structure of Atoms 274

Periodic Relationships Among the Elements 322



Chemical Bonding I: Basic Concepts 364



Chemical Bonding II: Molecular Geometry and Hybridization of Atomic Orbitals 408