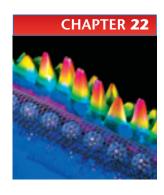
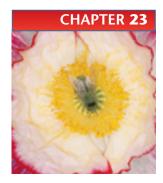


Nuclear Chemistry 68	80
1 The Nucleus	681
2 Radioactive Decay	685
3 Nuclear Radiation	693
4 Nuclear Fission and Nuclear Fusion	697
Cross-Disciplinary Connection Quarks	682
Historical Chemistry An Unexpected Finding	700
Math Tutor Calculating with Half-Life	706
Standardized Test Prep	707
Experiment	
Simulation of Nuclear Decay Using Pennies and Paper	708



Organic Chemistry	<b>71</b> 0
1 Organic Compounds	711
2 Hydrocarbons	716
<b>3</b> Functional Groups	730
4 Organic Reactions	735
<b>Historical Chemistry</b> The Beginnings of Organic Chemistry	715
Careers in Chemistry Petroleum Engineer	720
Chemistry in Action Carbon Allotropes	725
Math Tutor Calculating Empirical Formulas	746
Standardized Test Prep	747
<b>Experiment</b> Polymers and Toy Balls	748



Biological Chemistry	<b>75</b> 0
1 Carbohydrates and Lipids	751
2 Amino Acids and Proteins	756
3 Metabolism	766
4 Nucleic Acids	770
Historical Chemistry Charles Drew and Blood Transfusions	762
Careers in Chemistry Forensic Chemist	774
Math Tutor Interpretation of the Genetic Code	780
Standardized Test Prep	781
Experiment Casein Glue	782