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1 class session(s)

**KEY:** *SE* = Student Edition, *TWE* = Teacher Wraparound Edition, *TCR* = Teacher Classroom Resources, *BDOL* = Biology: The Dynamics of Life, *URB* = Unit Resources Booklet

## Section Objectives

- **Relate** the structure of an atom to the identity of elements.
- **Relate** the formation of covalent and ionic chemical bonds to the stability of atoms.
- **Distinguish** mixtures and solutions.
- **Define** acids and bases and relate their importance to biological systems.

## National Science Content Standards

UCP.1–3; A.1, A.2; B.1–3; C.5; E.1, E.2; F.1; G.1, G.2

## Focus

- \_\_\_\_\_ Section Focus Transparency 12 and Master, *TCR/URB*
- \_\_\_\_\_ Two-Minute Chapter Launcher, *TWE* p. 140
- \_\_\_\_\_ Bellringer, *TWE* p. 141

## Teach

- \_\_\_\_\_ Problem-Solving Lab 6.1, *SE* p. 145
- \_\_\_\_\_ Careers in Biology, *SE* p. 150
- \_\_\_\_\_ MiniLab 6.1, *SE* p. 151
- \_\_\_\_\_ Portfolio, *TWE* p. 148
- \_\_\_\_\_ Quick Demo, *TWE* p. 146
- \_\_\_\_\_ Cultural Diversity, *TWE* p. 145
- \_\_\_\_\_ *MiniLab Worksheet*, p. 3 *URB*
- \_\_\_\_\_ *Reading Essentials for Biology*, Section 6.1 *TCR*
- \_\_\_\_\_ *Transparency Worksheets*, pp. 19, 23–28 *URB*
- \_\_\_\_\_ Basic Concepts Transparencies 4, 5a, 5b and Masters, *TCR/URB*

## Assess/Reteach

- \_\_\_\_\_ Section Assessment, *SE* p. 151
- \_\_\_\_\_ Reinforcement, *TWE* pp. 143, 147, 149
- \_\_\_\_\_ Check for Understanding, *TWE* p. 151
- \_\_\_\_\_ Reteach, *TWE* p. 151
- \_\_\_\_\_ *Reinforcement and Study Guide*, *URB*
- \_\_\_\_\_ English, pp. 9–10; Spanish, pp. 13–14

## Enrichment/Application

- \_\_\_\_\_ Enrichment, *TWE* p. 144
- \_\_\_\_\_ Project, *TWE* pp. 142, 147, 148
- \_\_\_\_\_ Extension, *TWE* p. 151

## Chapter Assessment

- \_\_\_\_\_ Assessment, *TWE* pp. 145, 150, 151
- \_\_\_\_\_ *Performance Assessment in the Biology Classroom*, *TCR*
- \_\_\_\_\_ *Alternate Assessment in the Science Classroom*, *TCR*

## Multimedia Options

- \_\_\_\_\_ **Interactive Chalkboard CD-ROM:**  
Section 6.1 Presentation
- \_\_\_\_\_ **MindJogger Videoquizzes**, Ch. 6 DVD/VHS
- \_\_\_\_\_ **ExamView® Pro Testmaker CD-ROM**, Ch. 6
- \_\_\_\_\_ *Using the Internet in the Science Classroom*, *TCR*
- \_\_\_\_\_ **TeacherWorks™ CD-ROM**
- \_\_\_\_\_ **Guided Reading Audio Summaries MP3**
- \_\_\_\_\_ Glencoe Science Web site: [bdol.glencoe.com](http://bdol.glencoe.com)

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1 class session(s)

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**Section Objectives**

- **Relate** water's unique features to polarity.
- **Identify** how the process of diffusion occurs and why it is important to cells.

**National Science Content Standards**

UCP.1–3; A.1, A.2; B.1–4, B.6; C.5; G.1–3

**Focus**

\_\_\_\_\_ Section Focus Transparency 13 and Master, *TCR/URB*  
 \_\_\_\_\_ Bellringer, *TWE* p. 152

**Teach**

\_\_\_\_\_ Problem-Solving Lab 6.2, *SE* p. 154  
 \_\_\_\_\_ MiniLab 6.2, *SE* p. 155  
 \_\_\_\_\_ Quick Demo, *TWE* p. 153  
 \_\_\_\_\_ *MiniLab Worksheet*, p. 4 *URB*  
 \_\_\_\_\_ *Reading Essentials for Biology*, Section 6.2 *TCR*

\_\_\_\_\_ *Reading and Writing in the Science Classroom*, *TCR*  
 \_\_\_\_\_ *Transparency Worksheet*, p. 20 *URB*  
 \_\_\_\_\_ *Concept Mapping*, p. 17 *URB*

**Assess/Reteach**

\_\_\_\_\_ Section Assessment, *SE* p. 156  
 \_\_\_\_\_ Check for Understanding, *TWE* p. 156  
 \_\_\_\_\_ Reteach, *TWE* p. 156

**Enrichment/Application**

\_\_\_\_\_ Extension, *TWE* p. 156

**Chapter Assessment**

\_\_\_\_\_ Assessment, *TWE* pp. 154, 155, 156  
 \_\_\_\_\_ *Performance Assessment in the Biology Classroom*, *TCR*  
 \_\_\_\_\_ *Alternate Assessment in the Science Classroom*, *TCR*

**Multimedia Options**

\_\_\_\_\_ **Interactive Chalkboard CD-ROM:** Section 6.2 Presentation  
 \_\_\_\_\_ **MindJogger Videoquizzes**, Ch. 6 DVD/VHS  
 \_\_\_\_\_ **ExamView®Pro Testmaker CD-ROM**, Ch. 6  
 \_\_\_\_\_ *Using the Internet in the Science Classroom*, *TCR*  
 \_\_\_\_\_ **TeacherWorks™ CD-ROM**  
 \_\_\_\_\_ **Guided Reading Audio Summaries MP3**  
 \_\_\_\_\_ Glencoe Science Web site: [bdol.glencoe.com](http://bdol.glencoe.com)

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3 class session(s)

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## Section Objectives

- **Classify** the variety of organic compounds.
- **Describe** how polymers are formed and broken down in organisms.
- **Compare** the chemical structures of carbohydrates, lipids, proteins, and nucleic acids, and relate their importance to living things.
- **Identify** the effects of enzymes.

## National Science Content Standards

UCP.1–3; A.1, A.2; B.1–3, B.6; C.5; E.1, E.2; F.5; G.1–3

## Focus

\_\_\_\_\_ Section Focus Transparency 14 and Master, *TCR/URB*  
 \_\_\_\_\_ Bellringer, *TWE* p. 157

## Teach

\_\_\_\_\_ BioTechnology, *SE* p. 166  
 \_\_\_\_\_ Design Your Own BioLab, *SE* p. 164  
 \_\_\_\_\_ Portfolio, *TWE* p. 158  
 \_\_\_\_\_ Quick Demo, *TWE* p. 159  
 \_\_\_\_\_ Additional Lab, *TWE* pp. 160–161

\_\_\_\_\_ *Reading Essentials for Biology*, Section 6.3 *TCR*  
 \_\_\_\_\_ *Reading and Writing in the Science Classroom*, *TCR*  
 \_\_\_\_\_ *BioLab Worksheet*, pp. 5–6 *URB*  
 \_\_\_\_\_ *Transparency Worksheets*, pp. 21, 29–30 *URB*  
 \_\_\_\_\_ *Laboratory Manual*, pp. 27–34 *TCR*

## Assess/Reteach

\_\_\_\_\_ Section Assessment, *SE* p. 163  
 \_\_\_\_\_ Check for Understanding, *TWE* p. 163  
 \_\_\_\_\_ Reteach, *TWE* p. 163

\_\_\_\_\_ *Reinforcement and Study Guide*, *URB*  
 \_\_\_\_\_ English, p. 12; Spanish, p. 16  
 \_\_\_\_\_ Reteaching Skills Transparency 8 and Master, *TCR/URB*

## Enrichment/Application

\_\_\_\_\_ Enrichment, *TWE* pp. 159, 161  
 \_\_\_\_\_ Extension, *TWE* p. 163  
 \_\_\_\_\_ *Critical Thinking/Problem Solving*, p. 18 *URB*  
 \_\_\_\_\_ *Real World BioApplications*, pp. 7–8 *URB*

## Chapter Assessment

\_\_\_\_\_ Chapter Assessment, *SE* pp. 167–169  
 \_\_\_\_\_ Assessment, *TWE* pp. 161, 163  
 \_\_\_\_\_ *Chapter Assessment*, pp. 31–36 *URB*  
 \_\_\_\_\_ *Performance Assessment in the Biology Classroom*, *TCR*  
 \_\_\_\_\_ *Student Recording Sheet*, p. 37 *URB*

\_\_\_\_\_ *Alternate Assessment in the Science Classroom*, *TCR*  
 \_\_\_\_\_ **Interactive Chalkboard CD-ROM**,  
 Chapter 6 Assessment  
 \_\_\_\_\_ *The Princeton Review: Reviewing Biology*,  
 pp. 11–12 *TCR*

## Multimedia Options

\_\_\_\_\_ **Interactive Chalkboard CD-ROM:**  
 Section 6.3 Presentation

\_\_\_\_\_ **MindJogger Videoquizzes**, Ch. 6 DVD/VHS

\_\_\_\_\_ **ExamView® Pro Testmaker CD-ROM**, Ch. 6

\_\_\_\_\_ *Using the Internet in the Science Classroom*, *TCR*

\_\_\_\_\_ **TeacherWorks™ CD-ROM**

\_\_\_\_\_ **Guided Reading Audio Summaries MP3**

\_\_\_\_\_ **Virtual Labs CD-ROM**  
 Virtual Lab: *Enzyme-controlled Reactions*

\_\_\_\_\_ Glencoe Science Web site: [bdol.glencoe.com](http://bdol.glencoe.com)