

pp. 221–224

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

- Explain why organisms need a supply of energy.
- Describe how energy is stored and released by ATP.

### National Science Content Standards

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

### Focus

- \_\_\_\_\_ Section Focus Transparency 21 and Master, *TCR/URB*
- \_\_\_\_\_ Two-Minute Chapter Launcher, *TWE* p. 220
- \_\_\_\_\_ Bellringer, *TWE* p. 221

### Teach

- \_\_\_\_\_ Problem-Solving Lab 9.1, *SE* p. 222
- \_\_\_\_\_ Biology Journal, *TWE* p. 223
- \_\_\_\_\_ Quick Demo, *TWE* p. 223
- \_\_\_\_\_ *MiniLab Worksheet*, p. 121 *URB*
- \_\_\_\_\_ *Transparency Worksheets*, pp. 137, 141–142 *URB*
- \_\_\_\_\_ Basic Concepts Transparency 11 and Master, *TCR/URB*

### Assess/Reteach

- \_\_\_\_\_ Section Assessment, *SE* p. 224
- \_\_\_\_\_ Check for Understanding, *TWE* p. 224
- \_\_\_\_\_ Reteach, *TWE* p. 224
- \_\_\_\_\_ *Reinforcement and Study Guide*, *URB*: English, p. 127; Spanish, p. 131

### Enrichment/Application

- \_\_\_\_\_ Extension, *TWE* p. 224
- \_\_\_\_\_ *Real World BioApplications*, pp. 125–126 *URB*

### Chapter Assessment

- \_\_\_\_\_ Assessment, *TWE* pp. 222, 224
- \_\_\_\_\_ *Performance Assessment in the Biology Classroom*, *TCR*
- \_\_\_\_\_ *Alternate Assessment in the Science Classroom*, *TCR*

### Multimedia Options

- \_\_\_\_\_ **Interactive Chalkboard CD-ROM:** Section 9.1 Presentation
- \_\_\_\_\_ **MindJogger Videoquizzes**, Ch. 9 DVD/VHS
- \_\_\_\_\_ **ExamView® Pro Testmaker CD-ROM**, Ch. 9
- \_\_\_\_\_ *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)

# Lesson Plan 9.2

## Photosynthesis: Trapping the Sun's Energy

pp. 225–230

2 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 chloroplasts to the events in photosynthesis.
- **Describe** light-dependent reactions.
- **Explain** the reactions and products of the light-independent Calvin cycle.

### National Science Content Standards

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

### Focus

- \_\_\_\_\_ Section Focus Transparency 22 and Master, *TCR/URB*
- \_\_\_\_\_ Bellringer *TWE*, p. 225

### Teach

- \_\_\_\_\_ MiniLab 9.1, *SE* p. 226
- \_\_\_\_\_ MiniLab 9.2, *SE* p. 228
- \_\_\_\_\_ Inside Story, *SE* p. 229
- \_\_\_\_\_ Careers in Biology, *SE* p. 230
- \_\_\_\_\_ Internet BioLab, *SE* p. 238
- \_\_\_\_\_ Connection to Chemistry, *SE* p. 240
- \_\_\_\_\_ Quick Demo, *TWE* p. 227
- \_\_\_\_\_ *MiniLab Worksheet*, p. 122 *URB*
- \_\_\_\_\_ *BioLab Worksheet*, pp. 123–124 *URB*
- \_\_\_\_\_ *Concept Mapping*, p. 135 *URB*
- \_\_\_\_\_ *Transparency Worksheets*, pp. 138, 143–144 *URB*
- \_\_\_\_\_ Basic Concepts Transparency 12 and Master, *TCR/URB*

### Assess/Reteach

- \_\_\_\_\_ Section Assessment, *SE* p. 230
- \_\_\_\_\_ Check for Understanding, *TWE* p. 230
- \_\_\_\_\_ Reteach, *TWE* p. 230
- \_\_\_\_\_ *Reinforcement and Study Guide*, *URB*
- \_\_\_\_\_ English, pp. 128–129; Spanish, pp. 132–133

### Enrichment/Application

- \_\_\_\_\_ Project, *TWE* p. 227
- \_\_\_\_\_ *Critical Thinking/Problem Solving*, p. 136 *URB*

### Chapter Assessment

- \_\_\_\_\_ Assessment, *TWE* pp. 226, 228, 230
- \_\_\_\_\_ *Performance Assessment in the Biology Classroom*, *TCR*
- \_\_\_\_\_ *Alternate Assessment in the Science Classroom*, *TCR*

### Multimedia Options

- \_\_\_\_\_ **Interactive Chalkboard CD-ROM:**  
Section 9.2 Presentation
- \_\_\_\_\_ **MindJogger Videoquizzes**, Ch. 9 DVD/VHS
- \_\_\_\_\_ **ExamView®Pro Testmaker CD-ROM**, Ch. 9
- \_\_\_\_\_ *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)

pp. 231–237

3 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**

- **Compare and contrast** cellular respiration and fermentation.
- **Explain** how cells obtain energy from cellular respiration.

**National Science Content Standards**

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

**Focus**

\_\_\_\_\_ Section Focus Transparency 23 and Master, *TCR/URB*  
 \_\_\_\_\_ Bellringer, *TWE* p. 231

**Teach**

_____ Inside Story, <i>SE</i> p. 233	_____ Additional Lab, <i>TWE</i> p. 234
_____ Problem-Solving Lab 9.2, <i>SE</i> p. 235	_____ <i>Transparency Worksheets</i> , pp. 134, 145–146, 147–152 <i>URB</i>
_____ MiniLab 9.3, <i>SE</i> p. 236	_____ <i>Laboratory Manual</i> , pp. 49–52 <i>TCR</i>
_____ Cultural Diversity, <i>TWE</i> p. 233	_____ <i>Probeware Labs</i> , pp. 13–16 <i>TCR</i>
_____ Quick Demo, <i>TWE</i> p. 232	_____ Basic Concepts Transparency 13 and Master, <i>TCR/URB</i>
_____ Biology Journal, <i>TWE</i> p. 234	
_____ Internet BioLab, <i>SE</i> p. 238	

**Assess/Reteach**

_____ Section Assessment, <i>SE</i> p. 237	_____ <i>Reinforcement and Study Guide</i> , <i>URB</i>
_____ Check for Understanding, <i>TWE</i> p. 237	English, p. 130; Spanish, p. 134
_____ Reinforcement, <i>TWE</i> p. 232	_____ Reteaching Skills Transparencies 14, 15 and Masters, <i>TCR/URB</i>
_____ Reteach, <i>TWE</i> p. 237	

**Enrichment/Application**

\_\_\_\_\_ Tech Prep, *TWE* p. 236  
 \_\_\_\_\_ Extension, *TWE* p. 237

**Chapter Assessment**

_____ Chapter Assessment, <i>SE</i> pp. 241–243	_____ <i>Performance Assessment in the Biology Classroom</i> , <i>TCR</i>
_____ Assessment, <i>TWE</i> pp. 235, 236, 237	_____ <i>Alternate Assessment in the Science Classroom</i> , <i>TCR</i>
_____ <b>Interactive Chalkboard CD-ROM</b> , Chapter 9 Assessment	_____ <i>The Princeton Review: Reviewing Biology</i> , pp. 17–18 <i>TCR</i>
_____ <i>Chapter Assessment</i> , pp. 151–156 <i>URB</i>	
_____ <i>Student Recording Sheet</i> , p. 157 <i>URB</i>	

**Multimedia Options**

\_\_\_\_\_ **Interactive Chalkboard CD-ROM:** Section 9.3 Presentation  
 \_\_\_\_\_ **MindJogger Videoquizzes**, Ch. 9 DVD/VHS  
 \_\_\_\_\_ **ExamView® Pro Testmaker CD-ROM**, Ch. 9  
 \_\_\_\_\_ *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)

**Lesson Plan**  
**BioDigest**  
**Unit 3**

# The Life of a Cell

pp. 244–247

1/2 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

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## National Science Content Standards

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

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## Focus

\_\_\_\_\_ Bellringer *TWE*, p. 244

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## Teach

\_\_\_\_\_ Focus on History—The Cell Theory, *SE* p. 244

\_\_\_\_\_ Quick Demo, *SE* p. 245

\_\_\_\_\_ Vital Statistics, *SE* pp. 244, 247

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## Assess/Reteach

\_\_\_\_\_ Check for Understanding, *TWE* p. 247

\_\_\_\_\_ Reteach, *TWE* p. 247

\_\_\_\_\_ *Reinforcement and Study Guide*, *URB*: English, pp. 159–160; Spanish, pp. 161–162

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## Enrichment/Application

\_\_\_\_\_ Extension, *TWE* p. 247

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## Assessment

\_\_\_\_\_ Assessment, *TWE* p. 247

\_\_\_\_\_ *Student Recording Sheet*, p. 163 *URB*

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## Notes