

pp. 171–178

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** advances in microscope technology to discoveries about cells and cell structure.
- **Compare** the operation of a compound light microscope with that of an electron microscope.
- **Identify** the main ideas of the cell theory.

National Science Content Standards

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

Focus

- _____ Section Focus Transparency 15 and Master, *TCR/URB*
- _____ Two-Minute Chapter Launcher, *TWE* p. 170
- _____ Bellringer, *TWE* p. 171

Teach

- _____ MiniLab 7.1, *SE* p. 173
- _____ Quick Demo, *TWE* p. 172
- _____ *MiniLab Worksheet*, p. 41 *URB*
- _____ *Laboratory Manual*, pp. 35–38, 39–42 *TCR*
- _____ *Reading Essentials for Biology*, Section 7.1 *TCR*
- _____ *Transparency Worksheets*, pp. 57, 65–66 *URB*

Assess/Reteach

- _____ Section Assessment, *SE* p. 174
- _____ Check for Understanding, *TWE* p. 174
- _____ Reteach, *TWE* p. 174
- _____ *Reinforcement and Study Guide*, *URB*: English, p. 47; Spanish, p. 51
- _____ Reteaching Skills Transparency 9 and Master, *TCR/URB*

Enrichment/Application

- _____ Enrichment, *TWE* p. 172
- _____ Extension, *TWE* p. 174

Chapter Assessment

- _____ Assessment, *TWE* pp. 173, 174
- _____ *Performance Assessment in the Biology Classroom*, *TCR*
- _____ *Alternate Assessment in the Science Classroom*, *TCR*

Multimedia Options

- _____ **Interactive Chalkboard CD-ROM:**
Section 7.1 Presentation
- _____ **MindJogger Videoquizzes**, Ch. 7 DVD/VHS
- _____ **ExamView®Pro Testmaker CD-ROM**, Ch. 7
- _____ *Using the Internet in the Science Classroom*, *TCR*
- _____ **TeacherWorks™ CD-ROM**
- _____ **Guided Reading Audio Summaries MP3**
- _____ Glencoe Science Web site: bdol.glencoe.com

pp. 175–178

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

- Describe how a cell's plasma membrane functions.
- Relate the function of the plasma membrane to the fluid mosaic model.

National Science Content Standards

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

Focus

- _____ Section Focus Transparency 16 and Master, *TCR/URB*
- _____ Bellringer, *TWE* p. 181

Teach

- _____ Problem-Solving Lab 7.1, *SE* p. 176
- _____ Quick Demo, *TWE* p. 177
- _____ *Reading Essentials for Biology*, Section 7.2 *TCR*
- _____ *Reading and Writing in the Science Classroom*, *TCR*
- _____ Basic Concepts Transparency 6 and Master, *TCR/URB*

Assess/Reteach

- _____ Section Assessment, *SE* p. 178
- _____ Check for Understanding, *TWE* p. 178
- _____ Reteach, *TWE* p. 178
- _____ *Reinforcement and Study Guide*, *URB*: English, p. 48; Spanish, p. 52

Enrichment/Application

- _____ Cultural Diversity, *TWE* p. 176
- _____ Extension, *TWE* p. 178
- _____ *Real World BioApplications*, pp. 45–46 *URB*

Chapter Assessment

- _____ Assessment, *TWE* pp. 176, 178
- _____ *Performance Assessment in the Biology Classroom*, *TCR*
- _____ *Alternate Assessment in the Science Classroom*, *TCR*

Multimedia Options

- _____ **Interactive Chalkboard CD-ROM:** Section 7.2 Presentation
- _____ **MindJogger Videoquizzes**, Ch. 7 DVD/VHS
- _____ **ExamView®Pro Testmaker CD-ROM**, Ch. 7
- _____ *Using the Internet in the Science Classroom*, *TCR*
- _____ **TeacherWorks™ CD-ROM**
- _____ **Guided Reading Audio Summaries MP3**
- _____ Glencoe Science Web site: bdol.glencoe.com

pp. 179–187

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

- **Identify** the structure and function of the parts of a typical eukaryotic cell.
- **Explain** the advantages of highly folded membranes in cells.
- **Compare and contrast** the structures of plant and animal cells.

National Science Content Standards

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

Focus

_____ Section Focus Transparency 17 and Master, *TCR/URB*
 _____ Bellringer, *TWE* p. 179

Teach

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| _____ Problem-Solving Lab 7.2, <i>SE</i> p. 180 | _____ <i>MiniLab Worksheet</i> , p. 42 <i>URB</i> |
| _____ MiniLab 7.2, <i>SE</i> p. 182 | _____ <i>BioLab Worksheet</i> , pp. 43–44 <i>URB</i> |
| _____ Inside Story, <i>SE</i> p. 192 | _____ <i>Transparency Worksheets</i> , pp. 59, 63–64, 67–68 <i>URB</i> |
| _____ Connection to Literature, <i>SE</i> p. 196 | _____ Basic Concepts Transparency 7 and Master, <i>TCR/URB</i> |
| _____ Investigate BioLab, <i>SE</i> p. 188 | _____ <i>Concept Mapping</i> , p. 55 <i>URB</i> |
| _____ Portfolio, <i>TWE</i> pp. 180, 187 | _____ <i>Inside Story Poster</i> , <i>TCR</i> |
| _____ Additional Lab, <i>TWE</i> p. 182 | |
| _____ Biology Journal, <i>TWE</i> p. 191 | |
| _____ Quick Demo, <i>TWE</i> p. 185 | |

Assess/Reteach

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| _____ Section Assessment, <i>SE</i> p. 187 | _____ <i>Reinforcement and Study Guide</i> , <i>URB</i> |
| _____ Check for Understanding, <i>TWE</i> p. 187 | English, pp. 49–50; Spanish, pp. 53–54 |
| _____ Reteach, <i>TWE</i> p. 187 | _____ Reteaching Skills Transparency 10 and Master, <i>TCR/URB</i> |

Enrichment/Application

- _____ Cultural Diversity, *TWE* p. 181
 _____ Extension, *TWE* p. 187
 _____ *Critical Thinking/Problem Solving*, p. 56 *URB*

Chapter Assessment

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| _____ Chapter Assessment, <i>SE</i> pp. 191–193 | _____ <i>The Princeton Review: Reviewing Biology</i> , pp. 13–14 <i>TCR</i> |
| _____ Assessment, <i>TWE</i> pp. 180, 182, 183, 187 | _____ <i>Alternate Assessment in the Science Classroom</i> , <i>TCR</i> |
| _____ <i>Chapter Assessment</i> , pp. 69–74 <i>URB</i> | _____ Interactive Chalkboard CD-ROM , Chapter 7 Assessment |
| _____ <i>Student Recording Sheet</i> , p. 75 <i>URB</i> | |
| _____ <i>Performance Assessment in the Biology Classroom</i> , <i>TCR</i> | |

Multimedia Options

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| _____ Interactive Chalkboard CD-ROM:
Section 7.3 Presentation | _____ TeacherWorks™ CD-ROM |
| _____ MindJogger Videoquizzes , Ch. 7 DVD/VHS | _____ Guided Reading Audio Summaries MP3 |
| _____ ExamView® Pro Testmaker CD-ROM , Ch. 7 | _____ Virtual Labs CD-ROM |
| _____ <i>Using the Internet in the Science Classroom</i> , <i>TCR</i> | Virtual Lab: <i>Cellular Pursuit</i> |
| | _____ Glencoe Science Web site: bdol.glencoe.com |