Chapter Pacing Guide

Please note that this pace is based on completing selected sections of the text in 90 classes, approximately 90 minutes each. Less time can be allotted for each chapter if you plan to teach the entire text.

<table>
<thead>
<tr>
<th>Block</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>8.1 Cellular Transport</td>
</tr>
<tr>
<td>2</td>
<td>8.2 Cell Growth and Reproduction</td>
</tr>
<tr>
<td>0.5</td>
<td>Chapter Assessment</td>
</tr>
</tbody>
</table>
Cellular Transport

8.1

pages 195–200

National Science Content Standards: UCP1–3, UCP5; A.1, A.2; C.1, C.5

Objectives
• Explain how the processes of diffusion, passive transport, and active transport occur and why they are important to cells.
• Predict the effect of a hypotonic, hypertonic, or isotonic solution on a cell.

State/local objectives: ____________

Lesson Resources
_____ Section Focus Transparency 18 and Master, TCR/URB
_____ Basic Concepts Transparency 8, 9 and Master, TCR/URB
_____ MiniLab Worksheet, p. 79 URB
_____ Concept Mapping, p. 93 URB
_____ Reinforcement and Study Guide, URB
   English, p. 85; Spanish, p. 89
_____ Reteaching Skills Transparencies 11–12 and Masters, TCR/URB

Multimedia Resources
_____ Interactive Chalkboard CD-ROM:
   Section 8.1 Presentation
_____ MindJogger Videoquizzes, Ch.8
_____ Guided Reading Audio Summaries MP3
_____ Using the Internet in the Science Classroom, TCR
_____ Glencoe Science Web site: bdol.glencoe.com

Optional Resources
_____ Laboratory Manual, pp. 43–44 TCR

Lesson Plan

<table>
<thead>
<tr>
<th>Activity</th>
<th>Resources</th>
<th>Suggested Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Classroom Management</td>
<td>Section Focus Transparency 18 and Master, TCR/URB</td>
<td>5 minutes</td>
</tr>
<tr>
<td>• Distribute the corrected Chapter 7 tests while students complete the Bellringer for Section 8.1.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Discussion</td>
<td>Chapter Assessment, pp. 183–184 URB</td>
<td>5 minutes</td>
</tr>
<tr>
<td>• Answer Chapter 7 test questions.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Core Lesson</td>
<td>TWE, p. 194</td>
<td>35 minutes</td>
</tr>
<tr>
<td>• Introduce Chapter 8 with the Two-Minute Chapter Launcher.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Teach the main concepts of Section 8.1.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Have students complete MiniLab 8.1.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>In-Class Check</td>
<td>TWE, p. 198</td>
<td>25 minutes</td>
</tr>
<tr>
<td>• Assess students’ answers and discuss their results for MiniLab 8.1.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Do the Check for Understanding and Reteach strategies.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Homework</td>
<td>TWE, p. 200</td>
<td>10 minutes</td>
</tr>
<tr>
<td>• Have students complete Section 8.1 Assessment.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Assign relevant questions from Chapter 8 Assessment.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Closing</td>
<td>TWE, p. 200</td>
<td>10 minutes</td>
</tr>
<tr>
<td>• Assess students with the Modified Assessment.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

[total = 90 minutes]
Cell Growth and Reproduction

National Science Content Standards: UCP.1–3, UCP.5; A.1, A.2; B.2, B.3; C.1, C.5; G.1–3

Objectives
• Sequence the events of the cell cycle.
• Relate the function of a cell to its organization as a tissue, an organ, and an organ system.

State/local objectives: __________________________

Lesson Resources
Section Focus Transparency 19 and Master, TCR/URB
Basic Concepts Transparency 10 and Master, TCR/URB
MiniLab Worksheet, p. 80 URB
BioLab Worksheet, pp. 81–82 URB
Reinforcement and Study Guide, URB
English, pp. 86–87; Spanish, pp. 90–91
Reteaching Skills Transparency 13 and Master, TCR/URB

Multimedia Resources
Interactive Chalkboard CD-ROM:
Section 8.2 Presentation
MindJogger Videoquizzes, Ch. 8
Guided Reading Audio Summaries MP3
Virtual Labs CD-ROM
Virtual Lab: Cell Reproduction
Using the Internet in the Science Classroom, TCR
Glencoe Science Web site: bdol.glencoe.com

Optional Resources
Laboratory Manual, pp. 45–48 TCR

Pacing Guide
2 blocks
Lesson & BioLab

Block Schedule Planning Guide
8.2

Lesson Plan

Activity
Classroom Management
• Have students complete the Bellringer for Section 8.2.
• Have students check homework answers.

Discussion
• Answer homework questions.

Core Lesson
• Teach the main concepts of Section 8.2.
• Use the Visual Learning strategies for the Inside Story, and discuss the Thinking Critically question.

In-Class Check
• Have students complete the BioLab and answer the Analyze and Conclude questions.
• Check students’ answers to the BioLab questions, and discuss their results.
• Answer questions on Chapter 8 in preparation for the test.

Homework
• Have students complete Section 8.2 Assessment.
• Assign relevant questions from Chapter 8 Assessment.

Closing
• Assess students with the Extension activity.

Resources
Section Focus Transparency 19 and Master, TCR/URB
TWE, pp. 200, 217–219
TWE, pp. 201–210
TWE, p. 205
SE, pp. 214–215
TWE, pp. 214–215
TWE, pp. 195–219
SE, p. 210
SE, pp. 217–219
TWE, p. 205

Suggested Time
10 minutes
5 minutes
70 minutes
65 minutes
20 minutes
10 minutes

[total = 180 minutes]
Cellular Transport and the Cell Cycle

Assessment Resources

- Chapter Assessment, Ch. 8 URB
- Performance Assessment in the Biology Classroom, TCR
- Alternate Assessment in the Science Classroom, TCR

Multimedia Resources

- MindJogger Videoquizzes, Ch. 8
- ExamView®Pro Testmaker CD-ROM, Ch. 8
- Interactive Chalkboard CD-ROM: Ch. 8 Assessment

Lesson Plan

<table>
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<tr>
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<th>Resources</th>
<th>Suggested Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Classroom Management</td>
<td>TWE, p. 210</td>
<td>5 minutes</td>
</tr>
<tr>
<td>• Have students check homework answers.</td>
<td>TWE, pp. 217–219</td>
<td></td>
</tr>
<tr>
<td>Reviewing the Chapter</td>
<td>TWE, pp. 195–219</td>
<td>5 minutes</td>
</tr>
<tr>
<td>• Answer homework questions.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Answer any final questions about Chapter 8.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Assessment</td>
<td>Chapter Assessment, pp. 111–116 URB</td>
<td>30–35 minutes</td>
</tr>
<tr>
<td>• Distribute the test and allow students to work quietly.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Closing</td>
<td>bdol.glencoe.com</td>
<td>0–5 minutes</td>
</tr>
<tr>
<td>• As students complete the test, let them explore the Internet connection for Chapter 9</td>
<td></td>
<td>[total = 45 minutes]</td>
</tr>
</tbody>
</table>