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>Period</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>37.1 The Respiratory System</td>
</tr>
<tr>
<td>1</td>
<td>37.2 The Circulatory System</td>
</tr>
<tr>
<td>0.5</td>
<td>37.3 The Urinary System</td>
</tr>
<tr>
<td>0.5</td>
<td>Chapter Assessment</td>
</tr>
</tbody>
</table>
The Respiratory System

National Science Content Standards: UCP.1, UCP.2, UCP.5; B.3; C.1, C.5; F.1, F.4, F.5

Objectives
• List the structures involved in external respiration.
• Explain the mechanics of breathing.
• Contrast external and cellular respiration.

Georgia QCC: 1.1, 1.2, 2.1, 3.2, 22.1, 23.1, 23.2, 24.1, 24.2

Lesson Resources
Section Focus Transparency 90 and Master
Reinforcement and Study Guide, pp. 163 TCR
Content Mastery, p. 182 TCR

Multimedia Resources
BDOL CD-ROM Section 37.1 Summary
MindJogger Videoquizzes, Ch. 37
English/Spanish Audiocassettes, Section 37.1

BDOL Videodisc, Disc 2, Side 1
Using the Internet in the Science Classroom, TCR
Glencoe Science Web Site: ga.science.glencoe.com

Optional Resources
Tech Prep Applications, pp. 51–52 TCR
Critical Thinking/Problem Solving, p. 37 TCR
Spanish Resources

Activity | Resources | Suggested Time
--- | --- | ---
Classroom Management | Section Focus Transparency 90 and Master | 5 minutes
Discussion | Chapter Assessment, pp. 341–343 TCR | 5 minutes
Core Lesson | TWE, p. 1002 TWE, pp. 1003–1006 TWE, p. 1004 SE, pp. 1020–1021 | 55–60 minutes
In-Class Check | TWE, pp. 1020–1021 TWE, pp. 1005–1006 TWE, p. 1006 | 10–15 minutes
Homework | SE, p. 1006 SE, p. 1005 SE, pp. 1023–1025 | 5 minutes
Closing | TWE, p. 1006 | 5 minutes

[total = 90 minutes]
Objectives
• Distinguish among the various components of blood and among blood groups.
• Trace the route blood takes through the body and heart.
• Explain how heart rate is controlled.

Georgia QCC: 1.1, 1.2, 3.2, 23.1, 23.2, 24.1, 24.2

Lesson Resources
____ Section Focus Transparency 91 and Master
____ Basic Concepts Transparencies 70–72 and Masters
____ BioLab and MiniLab Worksheets, pp. 163–164 TCR
____ Concept Mapping, p. 37 TCR
____ Reinforcement and Study Guide, pp. 164–165 TCR
____ Content Mastery, p. 183 TCR
____ Reteaching Skills Transparency 54 and Master

Multimedia Resources
____ BDOL CD-ROM Section 37.2 Summary

MindJogger Videoquizzes, Ch. 37
English/Spanish Audiocassettes, Section 37.2
BDOL Videodisc, Disc 2, Side 1
Using the Internet in the Science Classroom, TCR
Glencoe Science Web Site: ga.science.glencoe.com

Optional Resources
____ Laboratory Manual, pp. 269–272, 273–276 TCR
____ Critical Thinking/Problem Solving, p. 37 TCR
____ Inside Story Poster, User Guide, p. 19 TCR
____ Spanish Resources

Lesson Plan

Activity | Resources | Suggested Time
--- | --- | ---
Classroom Management
• Have students complete the Bellringer for Section 37.2.
• Have students check homework answers.

Section Focus Transparency 91 and Master
TCR, pp. 1005, 1006, 1023–1025
5 minutes

Discussion
• Answer homework questions.

TCR, pp. 1005, 1006, 1023–1025
5 minutes

Core Lesson
• To introduce Section 37.2, have students complete MiniLab 37-1.
• Teach the main concepts of Section 37.2.
• Do the Quick Demo.
• Have students do the Microscope Activity.

SE, p. 1013
TWE, pp. 1005–1016
TWE, p. 1010
TWE, p. 1011
35–40 minutes

In-Class Check
• Use the Concept Mapping worksheet to review the main ideas of Section 37.2.
• Have students do the Portfolio: Summarizing Circulation.
• Do the Check for Understanding and Reteach strategies.

Concept Mapping, p. 37 TCR
TWE, p. 1009
TWE, p. 1016
20–25 minutes

Homework
• Have students complete Section 37.2 Assessment.
• Assign the Critical Thinking question of the Inside Story.
• Assign relevant questions from Chapter 37 Assessment.

SE, p. 1016
SE, p. 1014
SE, pp. 1023–1025
5 minutes

Closing
• Assess students with the Close Debate.

TCR, pp. 1016
15 minutes

[total = 90 minutes]
### The Urinary System

**National Science Content Standards:** UCP.1–3, UCP.5; A.1, A.2; C.5, E.1, E.2; F.1, F.6; G.1

#### Objectives
- Describe the structures and functions of the urinary system.
- Explain the kidneys’ role in maintaining homeostasis.

**Georgia QCC:** 1.1, 1.2, 2.1, 3.2, 22.1, 23.1, 23.2, 24.1, 24.2

#### Lesson Resources
- Section Focus Transparency 92 and Master
- Basic Concepts Transparency 73 and Master
- BioLab and MiniLab Worksheets, pp. 165–168 TCR
- Reinforcement and Study Guide, p. 166 TCR
- Content Mastery, p. 182 TCR

#### Multimedia Resources
- BDOL CD-ROM Section 37.3 Summary
- MindJogger Videoquizzes, Ch. 37

#### 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 92 and Master TWE, pp. 1014, 1016, 1023–1025</td>
<td>5 minutes</td>
</tr>
<tr>
<td></td>
<td>TWE, pp. 1014, 1016, 1023–1025</td>
<td>5 minutes</td>
</tr>
<tr>
<td><strong>Discussion</strong></td>
<td>TWE, pp. 1017–1019 TWE, p. 1019</td>
<td>15 minutes</td>
</tr>
<tr>
<td></td>
<td>TWE, p. 1017 TWE, p. 1019 TWE, pp. 1002–1025</td>
<td>10 minutes</td>
</tr>
<tr>
<td><strong>In-Class Check</strong></td>
<td>TWE, p. 1017 TWE, p. 1019 TWE, pp. 1002–1025</td>
<td>10 minutes</td>
</tr>
<tr>
<td><strong>Homework</strong></td>
<td>SE, p. 1019 SE, pp. 1023–1025</td>
<td>5 minutes</td>
</tr>
<tr>
<td><strong>Closing</strong></td>
<td>TWE, p. 1019</td>
<td>5 minutes</td>
</tr>
</tbody>
</table>

[total = 45 minutes]
Respiration, Circulation, and Excretion

Assessment Resources
- Chapter Assessment, Ch. 37 TCR
- Performance Assessment in the Biology Classroom, TCR
- Alternate Assessment in the Science Classroom, TCR
- 5 Days to the Georgia High School Graduation Test, TCR

Multimedia Resources
- MindJogger Videoquizzes, Ch. 37
- ExamView® Pro Software, Ch. 37
- BDOL Interactive CD-ROM Ch. 37 quiz

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<tr>
<td>Classroom Management</td>
<td>TWE, pp. 1019, 1023–1025</td>
<td>5 minutes</td>
</tr>
<tr>
<td>• Have students check homework answers.</td>
<td></td>
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</tr>
<tr>
<td>Reviewing the Chapter</td>
<td>TWE, pp. 1002–1025</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 37.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Assessment</td>
<td>Chapter Assessment, pp. 217–222 TCR</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>ga.science.glencoe.com</td>
<td>0–5 minutes</td>
</tr>
<tr>
<td>• As students complete the test, let them explore the Internet connection for Chapter 38.</td>
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<td></td>
</tr>
</tbody>
</table>

[total = 45 minutes]