



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.

Period	Content
1	37.1 The Respiratory System
1	37.2 The Circulatory System
0.5	37.3 The Urinary System
0.5	Chapter Assessment

Block Schedule Planning Guide 37.1

The Respiratory System

pages 1003–1006

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

Pacing Guide

1 period

Lesson & BioLab

KEY: *SE* = Student Edition, *TWE* = Teacher Wraparound Edition, *TCR* = Teacher Classroom Resources, *NGS* = National Geographic Society videodisc, *BDOL* = Biology: The Dynamics of Life

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*

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

Multimedia Resources

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

Optional Resources

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

Lesson Plan

Activity	Resources	Suggested Time
Classroom Management <ul style="list-style-type: none"> • Distribute the corrected Chapter 36 tests while students complete the Bellringer for Section 37.1. 	Section Focus Transparency 90 and Master	5 minutes
Discussion <ul style="list-style-type: none"> • Answer Chapter 36 test questions. 	<i>Chapter Assessment</i> , pp. 341–343 <i>TCR</i>	5 minutes
Core Lesson <ul style="list-style-type: none"> • Introduce Chapter 37 with the Getting Started Demo. • Teach the main concepts of Section 37.1. • Do the Quick Demo. • Have students read the BioLab, follow the Procedure, and answer the Analyze and Conclude questions. 	<i>TWE</i> , p. 1002 <i>TWE</i> , pp. 1003–1006 <i>TWE</i> , p. 1004 <i>SE</i> , pp. 1020–1021	55–60 minutes
In-Class Check <ul style="list-style-type: none"> • Assess students' answers to the BioLab questions and discuss their results. • Do the Check for Understanding and Reteach strategies. • Use the Skill Assessment activity. 	<i>TWE</i> , pp. 1020–1021 <i>TWE</i> , pp. 1005–1006 <i>TWE</i> , p. 1006	10–15 minutes
Homework <ul style="list-style-type: none"> • Have students complete Section 37.1 Assessment. • Assign Problem-Solving Lab 37-1. • Assign relevant questions from Chapter 37 Assessment. 	<i>SE</i> , p. 1006 <i>SE</i> , p. 1005 <i>SE</i> , pp. 1023–1025	5 minutes
Closing <ul style="list-style-type: none"> • Assess students with the Close Discussion. 	<i>TWE</i> , p. 1006	5 minutes

[total = 90 minutes]

Block Schedule Planning Guide

37.2

The Circulatory System

pages 1007–1016

Pacing Guide

1 period

Lesson & MiniLab

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

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

- _____ **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

Multimedia Resources

- _____ BDOL CD-ROM Section 37.2 Summary

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 <ul style="list-style-type: none"> • Have students complete the Bellringer for Section 37.2. • Have students check homework answers. 	Section Focus Transparency 91 and Master TWE, pp. 1005, 1006, 1023–1025	5 minutes
Discussion <ul style="list-style-type: none"> • Answer homework questions. 	TWE, pp. 1005, 1006, 1023–1025	5 minutes
Core Lesson <ul style="list-style-type: none"> • 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. 1007–1016 TWE, p. 1010 TWE, p. 1011	35–40 minutes
In-Class Check <ul style="list-style-type: none"> • 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. 	<i>Concept Mapping</i> , p. 37 TCR TWE, p. 1009 TWE, p. 1016	20–25 minutes
Homework <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • Assess students with the Close Debate. 	TWE, p. 1016	15 minutes

[total = 90 minutes]

Block Schedule Planning Guide

37.3

The Urinary System

pages 1017–1019

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

- _____ **English/Spanish Audiocassettes**, Section 37.3
- _____ **BDOL Videodisc**, Disc 2, Side 1
- _____ *Using the Internet in the Science Classroom*, *TCR*
- _____ Glencoe Science Web Site:
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Optional Resources

- _____ *Critical Thinking/Problem Solving*, p. 37 *TCR*
- _____ *Spanish Resources*

Pacing Guide

1/2 period

Lesson & MiniLab

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Lesson Plan

Activity	Resources	Suggested Time
Classroom Management <ul style="list-style-type: none"> • Have students complete the Bellringer for Section 37.3. • Have students check homework answers. 	Section Focus Transparency 92 and Master <i>TWE</i> , pp. 1014, 1016, 1023–1025	5 minutes
Discussion <ul style="list-style-type: none"> • Answer homework questions. 	<i>TWE</i> , pp. 1014, 1016, 1023–1025	5 minutes
Core Lesson <ul style="list-style-type: none"> • Teach the main concepts of Section 37.3. • Have students complete MiniLab 37-2 in small groups. • Do the Quick Demo. 	<i>TWE</i> , pp. 1017–1019 <i>SE</i> , p. 1019 <i>TWE</i> , p. 1019	15 minutes
In-Class Check <ul style="list-style-type: none"> • Have students do the Biology Journal: Using an Analogy. • Do the Check for Understanding and Reteach strategies. • Answer questions on Chapter 37 in preparation for the test. 	<i>TWE</i> , p. 1017 <i>TWE</i> , p. 1019 <i>TWE</i> , pp. 1002–1025	10 minutes
Homework <ul style="list-style-type: none"> • Have students complete Section 37.3 Assessment. • Assign relevant questions from Chapter 37 Assessment. 	<i>SE</i> , p. 1019 <i>SE</i> , pp. 1023–1025	5 minutes
Closing <ul style="list-style-type: none"> • Assess students with the Close Discussion. 	<i>TWE</i> , p. 1019	5 minutes

[total = 45 minutes]

Pacing Guide

1/2 period

Review/Assessment

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of Life

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

Lesson Plan

Activity	Resources	Suggested Time
Classroom Management <ul style="list-style-type: none"> • Have students check homework answers. 	<i>TWE</i> , pp. 1019, 1023–1025	5 minutes
Reviewing the Chapter <ul style="list-style-type: none"> • Answer homework questions. • Answer any final questions about Chapter 37. 	<i>TWE</i> , pp. 1002–1025	5 minutes
Assessment <ul style="list-style-type: none"> • Distribute the test and allow students to work quietly. 	<i>Chapter Assessment</i> , pp. 217–222 <i>TCR</i>	30–35 minutes
Closing <ul style="list-style-type: none"> • As students complete the test, let them explore the Internet connection for Chapter 38. 	ga.science.glencoe.com	0–5 minutes

[total = 45 minutes]