

## Lesson Plan

# 37.1

## The Respiratory System



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

pp. 1002–1006

1 1/2 class session(s)

### Section Objectives

- **List** the structures involved in external respiration.
- **Explain** the mechanics of breathing.
- **Contrast** external and cellular respiration.

### National Science Content Standards

UCP.1, UCP.2, UCP.5; B.3; C.1, C.5; F.1, F.4, F.5

### Georgia QCC

1.1, 1.2, 2.1, 3.2, 22.1, 23.1, 23.2, 24.1, 24.2

### Focus

- \_\_\_\_\_ Section Focus Transparency 90 and Master
- \_\_\_\_\_ Getting Started Demo, *TWE* p. 1002
- \_\_\_\_\_ Bellringer, *TWE* p. 1003

### Teach

- \_\_\_\_\_ Problem-Solving Lab 37-1, *SE* p. 1005
- \_\_\_\_\_ Careers in Biology, *SE* p. 1006
- \_\_\_\_\_ Investigate BioLab, *SE* p. 1020
- \_\_\_\_\_ Quick Demo, *TWE* p. 1004
- \_\_\_\_\_ Biology Journal, *TWE* p. 1004
- \_\_\_\_\_ Portfolio, *TWE* p. 1005
- \_\_\_\_\_ *Spanish Resources*

### Assess/Reteach

- \_\_\_\_\_ Section Assessment, *SE* p. 1006
- \_\_\_\_\_ Check for Understanding, *TWE* p. 1005
- \_\_\_\_\_ Reteach, *TWE* p. 1006
- \_\_\_\_\_ *Reinforcement and Study Guide*, p. 163 *TCR*
- \_\_\_\_\_ *Content Mastery*, pp. 181–182, 184 *TCR*

### Enrichment/Application

- \_\_\_\_\_ Project, *TWE* p. 1004
- \_\_\_\_\_ Extension, *TWE* p. 1006
- \_\_\_\_\_ *Tech Prep Applications*, pp. 51–52 *TCR*
- \_\_\_\_\_ *Critical Thinking/Problem Solving*, p. 37 *TCR*

### Close

- \_\_\_\_\_ Discussion, *TWE* p. 1006

### Chapter Assessment

- \_\_\_\_\_ Assessment, *TWE* pp. 1004, 1005, 1006
- \_\_\_\_\_ *Alternate Assessment in the Science Classroom*, *TCR*
- \_\_\_\_\_ *Performance Assessment in the Biology Classroom*, *TCR*

### Multimedia Options

- \_\_\_\_\_ **BDOL CD-ROM** Section 37.1 Summary; Animation: *The Mechanics of Breathing*
- \_\_\_\_\_ **MindJogger Videoquizzes**, Ch. 37 videotape
- \_\_\_\_\_ **ExamView®Pro Software**, Ch. 37
- \_\_\_\_\_ **BDOL Videodisc:** *The Mechanics of Breathing Using the Internet in the Science Classroom*, *TCR*
- \_\_\_\_\_ Glencoe Science Web Site: [ga.science.glencoe.com](http://ga.science.glencoe.com)



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

pp. 1007–1016

1 1/2 class session(s)

### Section 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.

### National Science Content Standards

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

### Georgia QCC

1.1, 1.2, 3.2, 23.1, 23.2, 24.1, 24.2

### Focus

\_\_\_\_\_ Section Focus Transparency 91 and Master  
 \_\_\_\_\_ Bellringer, *TWE* p. 1007

### Teach

_____ MiniLab 37-1, <i>SE</i> p. 1013	_____ <i>Concept Mapping</i> , p. 37 <i>TCR</i>
_____ Inside Story, <i>SE</i> p. 1014	_____ <i>Inside Story Poster</i> , <i>TCR</i>
_____ Problem-Solving Lab 37-2, <i>SE</i> p. 1015	_____ <i>BioLab and MiniLab Worksheets</i> , pp. 163–164 <i>TCR</i>
_____ Cultural Diversity, <i>TWE</i> p. 1008	_____ <i>Laboratory Manual</i> , pp. 269–276 <i>TCR</i>
_____ Portfolio, <i>TWE</i> pp. 1009, 1010, 1012	_____ Basic Concepts Transparencies 70, 71, 72 and Masters
_____ Quick Demo, <i>TWE</i> p. 1010	_____ <i>Spanish Resources</i>
_____ Biology Journal, <i>TWE</i> p. 1013	
_____ Alternative Lab, <i>TWE</i> p. 1014	

### Assess/Reteach

_____ Section Assessment, <i>SE</i> p. 1016	_____ Reteaching Skills Transparency 54 and Master
_____ Reinforcement, <i>TWE</i> p. 1010	_____ <i>Reinforcement and Study Guide</i> , pp. 164–165 <i>TCR</i>
_____ Check for Understanding, <i>TWE</i> p. 1016	_____ <i>Content Mastery</i> , pp. 181, 183–184 <i>TCR</i>
_____ Reteach, <i>TWE</i> p. 1016	

### Enrichment/Application

_____ Enrichment, <i>TWE</i> p. 1009	_____ Extension, <i>TWE</i> p. 1016
_____ Tech Prep, <i>TWE</i> p. 1010	_____ <i>Critical Thinking/Problem Solving</i> , p. 37 <i>TCR</i>
_____ Project, <i>TWE</i> p. 1011	

### Close

\_\_\_\_\_ Debate, *TWE* p. 1016

### Chapter Assessment

_____ Assessment, <i>TWE</i> pp. 1008, 1013, 1015, 1016	_____ <i>Performance Assessment in the Biology Classroom</i> , <i>TCR</i>
_____ <i>Alternate Assessment in the Science Classroom</i> , <i>TCR</i>	

### Multimedia Options

_____ <b>BDOL CD-ROM</b> Section 37.2 Summary; BioQuest: <i>Body Systems, Triathlon</i> ; Video: <i>Lymphocytes, Capillaries</i> ; Exploration: <i>Blood Types</i> ; Animation: <i>One Way Valves</i>	_____ <b>BDOL Videodisc:</b> <i>Capillaries, One Way Valves</i>
_____ <b>MindJogger Videoquizzes</b> , Ch. 37 videotape	_____ <b>Videodisc:</b> <i>The Secret of Life: In the Land of Milk and Money, Pregnancy and Rh Disease</i> <i>Using the Internet in the Science Classroom</i> , <i>TCR</i>
_____ <b>ExamView®Pro Software</b> , Ch. 37	_____ Glencoe Science Web Site: <a href="http://ga.science.glencoe.com">ga.science.glencoe.com</a>



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

pp. 1017–1025

2 class session(s)

### Section Objectives

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

### 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

### Georgia QCC

1.1, 1.2, 2.1, 3.2, 22.1, 22.2, 23.1, 23.2, 24.1, 24.2

### Focus

- \_\_\_\_\_ Section Focus Transparency 92 and Master  
 \_\_\_\_\_ Bellringer, *TWE* p. 1017

### Teach

- \_\_\_\_\_ MiniLab 37-2, *SE* p. 1019  
 \_\_\_\_\_ Biology & Society, *SE* p. 1022  
 \_\_\_\_\_ Biology Journal, *TWE* p. 1017  
 \_\_\_\_\_ Portfolio, *TWE* p. 1018  
 \_\_\_\_\_ Quick Demo, *TWE* p. 1019
- \_\_\_\_\_ *BioLab and MiniLab Worksheets*, pp. 165, 167–168 *TCR*  
 \_\_\_\_\_ Basic Concepts Transparency 73 and Master  
 \_\_\_\_\_ *Spanish Resources*

### Assess/Reteach

- \_\_\_\_\_ Section Assessment, *SE* p. 1019  
 \_\_\_\_\_ Check for Understanding, *TWE* p. 1019  
 \_\_\_\_\_ Reteach, *TWE* p. 1019  
 \_\_\_\_\_ *Reinforcement and Study Guide*, p. 166 *TCR*  
 \_\_\_\_\_ *Content Mastery*, pp. 181–182, 184 *TCR*
- \_\_\_\_\_ *5 Days to the Georgia High School Graduation Test*, *TCR*

### Enrichment/Application

- \_\_\_\_\_ Extension, *TWE* p. 1019  
 \_\_\_\_\_ *Critical Thinking/Problem Solving*, p. 37 *TCR*

### Close

- \_\_\_\_\_ Discussion, *TWE* p. 1019

### Chapter Assessment

- \_\_\_\_\_ Chapter Assessment, *SE* pp. 1023–1025  
 \_\_\_\_\_ Assessment, *TWE* pp. 1018, 1019, 1021  
 \_\_\_\_\_ *Chapter Assessment*, pp. 217–222 *TCR*  
 \_\_\_\_\_ **BDOL Interactive CD-ROM**, Chapter 37 quiz  
 \_\_\_\_\_ *Alternate Assessment in the Science Classroom*, *TCR*  
 \_\_\_\_\_ *Performance Assessment in the Biology Classroom*, *TCR*

### Multimedia Options

- \_\_\_\_\_ **BDOL CD-ROM** Section 37.3 Summary  
 \_\_\_\_\_ **MindJogger Videoquizzes**, Ch. 37 videotape  
 \_\_\_\_\_ **ExamView®Pro Software**, Ch. 37  
 \_\_\_\_\_ *Using the Internet in the Science Classroom*, *TCR*  
 \_\_\_\_\_ Glencoe Science Web Site: [ga.science.glencoe.com](http://ga.science.glencoe.com)