

Biological Diversity and Conservation

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.

Block	Content
1	5.1 Vanishing Species
0.5	5.2 Conservation of Biodiversity
0.5	Chapter Assessment

Block Schedule Planning Guide

5.1

Vanishing Species

pages 111–120

National Science Content Standards: UCP.1–3; A.1, A.2; C.4–6; E.1, E.2; F1–6; G.1–3

Pacing Guide

1 block

Lesson & MiniLab

KEY: *SE* = Student Edition, *TWE* = Teacher Wraparound Edition, *TCR* = Teacher Classroom Resources, *BDOL* = Biology: The Dynamics of Life, *URB* = Unit Resources Booklet

Objectives

- **Explain** biodiversity and its importance.
- **Relate** various threats to the loss of biodiversity.

State/local objectives: _____

Lesson Resources

- _____ Section Focus Transparency 10 and Master, *TCR/URB*
- _____ *MiniLab Worksheet*, pp. 101–102 *URB*
- _____ *BioLab Worksheet*, pp. 105–106 *URB*
- _____ *Concept Mapping*, p. 119 *URB*
- _____ *Reinforcement and Study Guide*, *URB*
English, pp. 111–113; Spanish, pp. 115–117
- _____ Reteaching Skills Transparency 7a–7c and
Master, *TCR/URB*

- _____ **MindJogger Videoquizzes**, Ch. 5
- _____ **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. 23–24 *TCR*
- _____ *Real World BioApplications*, pp. 107–108 *URB*
- _____ *Critical Thinking/Problem Solving*, p. 120 *URB*

Multimedia Resources

- _____ **Interactive Chalkboard CD-ROM:**
Section 5.1 Presentation

Lesson Plan

Activity	Resources	Suggested Time
Classroom Management <ul style="list-style-type: none"> • Distribute the corrected Chapter 4 tests while students complete the Bellringer for Section 5.1. 	Section Focus Transparency 10 and Master, <i>TCR/URB</i>	5 minutes
Discussion <ul style="list-style-type: none"> • Answer Chapter 4 test questions. 	<i>Chapter Assessment</i> , p. 165 <i>URB</i>	5 minutes
Core Lesson <ul style="list-style-type: none"> • Introduce Chapter 5 with the Two-Minute Chapter Launcher. • Teach the main concepts of Section 5.1. • Have students complete MiniLab 5.1. 	<i>TWE</i> , p. 110 <i>TWE</i> , pp. 111–120 <i>SE</i> , p. 112	35 minutes
In-Class Check <ul style="list-style-type: none"> • Discuss the results of the MiniLab, and assess students with the Assessment Activity. • Review Section 5.1 concepts with the Reteaching Skills Transparencies. • Do the Check for Understanding and Reteach Strategies. 	<i>TWE</i> , p. 112 Reteaching Skills Transparency 7a–7c and Master, <i>TCR</i> <i>TWE</i> , p. 120	25 minutes
Homework <ul style="list-style-type: none"> • Have students complete Section 5.1 Assessment. • Assign relevant questions from Chapter 5 Assessment. 	<i>SE</i> , p. 120 <i>SE</i> , pp. 129–131	15 minutes
Closing <ul style="list-style-type: none"> • Assess students with the Modified Assessment activity. 	<i>TWE</i> , p.120	5 minutes

[total = 90 minutes]

Block Schedule Planning Guide 5.2

Conservation of Biodiversity

pages 121–125

National Science Content Standards: UCP.1–3; A.1, A.2; C.4–6; E.1, E.2; F.2–6; G.1–3

Pacing Guide

1/2 block

Lesson & BioLab

KEY: SE = Student Edition, TWE = Teacher Wraparound Edition, TCR = Teacher Classroom Resources, BDOL = Biology: The Dynamics of Life, URB = Unit Resources Booklet

Objectives

- **Describe** strategies used in conservation biology.
- **Relate** success in protecting an endangered species to the methods used to protect it.

State/local objectives: _____

Lesson Resources

- _____ Section Focus Transparency 11 and Master, *TCR/URB*
- _____ *MiniLab Worksheet*, p. 103 *URB*
- _____ *Reinforcement and Study Guide*, *URB*
English, p. 114 Spanish, p. 118

- _____ *MindJogger Videoquizzes*, Ch. 5
- _____ **Guided Reading Audio Summaries MP3**
- _____ **Virtual Labs CD-ROM**
Virtual Lab: *Assessing Water Quality*
- _____ *Using the Internet in the Science Classroom*, *TCR*
- _____ Glencoe Science Web site: **bdol.glencoe.com**

Multimedia Resources

- _____ **Interactive Chalkboard CD-ROM:**
Section 5.2 Presentation

Optional Resources

- _____ *Real World BioApplications*, pp. 109–110 *URB*

Lesson Plan

Activity	Resources	Suggested Time
Classroom Management <ul style="list-style-type: none"> • Have students complete the Bellringer for Section 5.2. • Have students check homework answers. 	Section Focus Transparency 11 and Master, <i>TCR/URB</i> <i>TWE</i> , pp. 120, 129–131	5 minutes
Discussion <ul style="list-style-type: none"> • Answer homework questions. 	<i>TWE</i> , pp. 120, 129–131	5 minutes
Core Lesson <ul style="list-style-type: none"> • Teach the main concepts of Section 5.2. • Have students begin the Internet BioLab. Instruct them to read the entire lab and complete all steps in the Procedure. 	<i>TWE</i> , pp. 121–125 <i>SE</i> , pp. 126–127	15 minutes
In-Class Check <ul style="list-style-type: none"> • Assess students' answers and discuss their results to the BioLab. • Answer questions on Chapter 5 in preparation for the test. 	<i>TWE</i> , p. 127 <i>TWE</i> , pp. 111–131	10 minutes
Homework <ul style="list-style-type: none"> • Have students complete Section 5.2 Assessment. • Assign relevant questions from Chapter 5 Assessment. 	<i>SE</i> , p. 125 <i>SE</i> , pp. 129–131	5 minutes
Closing <ul style="list-style-type: none"> • Assess students with the Assessment activity. 	<i>TWE</i> , p. 125	5 minutes

[total = 45 minutes]

Pacing Guide

1/2 block

Review/Assessment

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Assessment Resources

- _____ *Chapter Assessment*, Ch. 5 *URB*
- _____ *Performance Assessment in the Biology Classroom*, *TCR*
- _____ *Alternate Assessment in the Science Classroom*, *TCR*

Multimedia Resources

- _____ *MindJogger Videoquizzes*, Ch. 5
- _____ *ExamView®Pro Testmaker CD-ROM*, Ch. 5
- _____ *Interactive Chalkboard CD-ROM*: Ch. 5 Assessment

Lesson Plan

Activity	Resources	Suggested Time
Classroom Management <ul style="list-style-type: none"> • Have students check homework answers. 	<i>TWE</i> , p. 125 <i>TWE</i> , pp. 129–131	5 minutes
Reviewing the Chapter <ul style="list-style-type: none"> • Answer homework questions. • Answer any final questions about Chapter 5. 	<i>TWE</i> , p. 125 <i>TWE</i> , pp. 129–131	5 minutes
Assessment <ul style="list-style-type: none"> • Distribute the test and allow students to work quietly. 	<i>Chapter Assessment</i> , p. 129 <i>URB</i>	30–35 minutes
Closing <ul style="list-style-type: none"> • As students complete the test, have them read the Chapter 6 Opener. • If students have time, let them explore the Internet connection for Chapter 6. 	<i>SE</i> , p. 140 bdol.glencoe.com	5 minutes

[total = 45 minutes]

Pacing Guide

1/2 block

BioDigest

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

Lesson Resources

_____ *Reinforcement and Study Guide, URB*
English, pp. 137–138; Spanish, pp. 139–140

Multimedia Resources

_____ *Using the Internet in the Science Classroom, TCR*
_____ Glencoe Science Web site: bdol.glencoe.com

Optional Resources

_____ *Performance Assessment in the Biology Classroom, TCR*
_____ *Alternate Assessment in the Science Classroom, TCR*

Lesson Plan

Activity	Resources	Suggested Time
Classroom Management <ul style="list-style-type: none"> Have students complete the Focus: Bellringer activity. 	<i>TWE</i> , p. 132	5 minutes
Discussion <ul style="list-style-type: none"> If the BioDigest is being used as an overview for Unit 2 or in place of Unit 2, return Chapter 1 tests and answer any test questions. 	<i>Chapter Assessment</i> , p. 173 <i>URB</i>	5 minutes
Core Lesson <ul style="list-style-type: none"> Introduce BioDigest 2 with the Quick Demo. Teach the main concepts of BioDigest 2. 	<i>TWE</i> , p. 133 <i>TWE</i> , pp. 132–135	15 minutes
In-Class Check <ul style="list-style-type: none"> Review concepts with the Reinforcement and Study Guides. Do the Check for Understanding and Reteach strategies. 	<i>Reinforcement and Study Guide, URB</i> English, pp. 137–138; Spanish, pp. 139–140 <i>TWE</i> , p. 140	10 minutes
Homework <ul style="list-style-type: none"> Assign the BioDigest Assessment. 	<i>SE</i> , p. 135	5 minutes
Closing <ul style="list-style-type: none"> Assess students with the Extension activity. 	<i>TWE</i> , p. 135	5 minutes

[total = 45 minutes]