Lesson Plan

1.1 What is biology?

pp. 3–10

1/2 class session(s)

Section Objectives

• **Recognize** some possible benefits from studying biology.
• **Summarize** the characteristics of living things.

<table>
<thead>
<tr>
<th>National Science Content Standards</th>
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<tbody>
<tr>
<td>UCP:2; A.1, A.2; C.1, C.3, C.4, C.5, C.6; E.1, E.2; F.3, F.4, E.6; G.1, G.2, G.3</td>
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</table>

Focus

Section Focus Transparency 1 and Master, TCR/URB
Two-Minute Chapter Launcher, TWE p. 2
Bellringer, TWE p. 3

Teach

MiniLab 1.1, SE p. 6
Careers in Biology, SE p. 8
Internet BioLab, SE p. 24
Biology Journal, TWE p. 4
Portfolio, TWE p. 9
Reading Essentials for Biology, Section 1.1 TCR

Quick Demo, TWE p. 7
Cultural Diversity, TWE p. 8
MiniLab Worksheet, p. 3 URB
BioLab Worksheet, pp. 9–10 URB
Concept Mapping, p. 21 URB
Transparency Worksheet, p. 23 URB

Assess/Reteach

Section Assessment, SE p. 10
Check for Understanding, TWE p. 10
Reteach, TWE p. 10

Check for Understanding, TWE p. 10

Reinforcement and Study Guide, URB: English, pp. 13–14; Spanish, pp. 17–18

Critical Thinking/Problem Solving, p. 22 URB

Enrichment/Application

Enrichment, TWE p. 5
Extension, TWE p. 10

Chapter Assessment

Assessment, TWE p. 10
Performance Assessment in the Biology Classroom, TCR
Alternate Assessment in the Science Classroom, TCR

Multimedia Options

Interactive Chalkboard CD-ROM:
Section 1.1 Presentation

ExamView®Pro Testmaker CD-ROM, Ch. 1
MindJogger Videoquizzes, Ch. 1 DVD/VHS
TeacherWorks™ CD-ROM
Guided Reading Audio Summaries MP3
Using the Internet in the Science Classroom, TCR

Glencoe Science Web site: bdol.glencoe.com
Section Objectives
• Compare different scientific methods.
• Differentiate among hypothesis, theory, and principle.

National Science Content Standards
UCP.2; A.1, A.2; B.2; C.6; E.2; G.1, G.2

Focus
Section Focus Transparency 2 and Master, TCR/URB
Bellringer, TWE, p. 11

Teach
MiniLab 1.2, SE p. 14
Problem-Solving Lab 1.1, SE p. 16
Inside Story, SE p. 17
Additional Lab, TWE p. 12
Quick Demo, TWE pp. 12, 15

Assess/Reteach
Section Assessment, SE p. 18
Check for Understanding, TWE p. 18
Reteach, TWE p. 18
Reinforcement and Study Guide, URB: English, p. 15; Spanish, p. 19

Enrichment/Application
Project, TWE p. 16
Extension, TWE p. 18

Chapter Assessment
Assessment, TWE pp. 14, 18
Performance Assessment in the Biology Classroom, TCR
Alternate Assessment in the Science Classroom, TCR

Multimedia Options
Interactive Chalkboard CD-ROM:
Section 1.2 Presentation
MindJogger Videoquizzes, Ch. 1 DVD/VHS
ExamView® Pro Testmaker CD-ROM, Ch. 1
Using the Internet in the Science Classroom, TCR
TeacherWorks™ CD-ROM
Guided Reading Audio Summaries MP3
Virtual Labs CD-ROM
Virtual Lab: Dependent and Independent Variables
Glencoe Science Web site: bdol.glencoe.com
**Lesson Plan**

**1.3**

**The Nature of Biology**

**pp. 19–23**

**2 1/2 class session(s)**

**Section Objectives**

- **Compare and contrast** quantitative and qualitative information.
- **Explain** why science and technology cannot solve all problems.

**National Science Content Standards**

UCP:2; A.1, A.2; C.6; E.1, E.2; F.3, F.4, F.6; G.1, G.2

**Focus**

Section Focus Transparency 3 and Master, TCR/URB

Bellringer, TWE p. 19

**Teach**

- Problem-Solving Lab 1.2, SE p. 20
- MiniLab 1.3, SE p. 22
- Biology & Society, SE p. 26
- Biology Journal, TWE p. 21
- Cultural Diversity, TWE p. 20

Quick Demo, TWE p. 21

- MiniLab Worksheet, p. 7 URB
- Laboratory Manual, pp. 5–8 TCR
- Reading Essentials for Biology, Section 1.2 TCR

**Assess/Reteach**

- Section Assessment, SE p. 23
- Check for Understanding, TWE p. 23
- Reteach, TWE p. 23

Reinforcement and Study Guide, URB

English, p. 16; Spanish, p. 20

**Enrichment/Application**

- Enrichment, TWE p. 21
- Extension, TWE p. 23

**Chapter Assessment**

- Chapter Assessment, SE pp. 27–29
- Assessment, TWE pp. 20, 22, 23
- Interactive Chalkboard CD-ROM, Chapter 1 Assessment
- Chapter Assessment, pp. 27–32 URB
- Student Recording Sheet, p. 33 URB

Performance Assessment in the Biology Classroom, TCR

Alternate Assessment in the Science Classroom, TCR

The Princeton Review: Reviewing Biology, pp. 1–2 TCR

**Multimedia Options**

- Interactive Chalkboard CD-ROM: Section 1.3 Presentation
- MindJogger Videoquizzes, Ch. 1 DVD/VHS
- ExamView™ Pro Testmaker CD-ROM, Ch. 1
- TeacherWorks™ CD-ROM
- Guided Reading Audio Summaries MP3
- Virtual Labs CD-ROM
  - Virtual Lab: Dependent and Independent Variables
  - Using the Internet in the Science Classroom, TCR
  - Glencoe Science Web site: bdol.glencoe.com
**What is biology?**

**Unit 1 pp. 30–31**

**1/2 class session(s)**

**National Science Content Standards**
UCP.1; A.2; G.1, G.2

**Focus**
—— Bellringer, *TWE* p. 30

**Assess/Reteach**
—— Check for Understanding, *TWE* p. 30
—— Reteach, *TWE* p. 30

**Enrichment/Application**
—— Extension, *TWE* p. 33

**Chapter Assessment**
—— Assessment, *TWE* p. 30

**Notes**