

Lesson Plan

1.1

What is biology?

pp. 3–10

1/2 class session(s)

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

Section Objectives

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

National Science Content Standards

UCP.2; A.1, A.2; C.1, C.3, C.4, C.5, C.6; E.1, E.2; F.3, F.4, F.6; G.1, G.2, G.3

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

Enrichment/Application

- _____ Enrichment, *TWE* p. 5
- _____ Extension, *TWE* p. 10
- _____ *Critical Thinking/Problem Solving*, p. 22 *URB*

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

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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
- _____ *MiniLab Worksheet*, p. 5 *URB*
- _____ *Laboratory Manual*, pp. 1–4 *TCR*
- _____ *Reading Essentials for Biology*, Section 1.2 *TCR*
- _____ *Transparency Worksheet*, p. 24 *URB*

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

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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

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| _____ Problem-Solving Lab 1.2, <i>SE</i> p. 20 | _____ Quick Demo, <i>TWE</i> p. 21 |
| _____ MiniLab 1.3, <i>SE</i> p. 22 | _____ <i>MiniLab Worksheet</i> , p. 7 <i>URB</i> |
| _____ Biology & Society, <i>SE</i> p. 26 | _____ <i>Laboratory Manual</i> , pp. 5–8 <i>TCR</i> |
| _____ Biology Journal, <i>TWE</i> p. 21 | _____ <i>Reading Essentials for Biology</i> , Section 1.2 <i>TCR</i> |
| _____ Cultural Diversity, <i>TWE</i> p. 20 | |

Assess/Reteach

- | | |
|---|---|
| _____ Section Assessment, <i>SE</i> p. 23 | _____ <i>Reinforcement and Study Guide</i> , <i>URB</i> |
| _____ Check for Understanding, <i>TWE</i> p. 23 | English, p. 16; Spanish, p. 20 |
| _____ Reteach, <i>TWE</i> p. 23 | |

Enrichment/Application

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

Chapter Assessment

- | | |
|---|---|
| _____ Chapter Assessment, <i>SE</i> pp. 27–29 | _____ <i>Performance Assessment in the Biology Classroom</i> , <i>TCR</i> |
| _____ Assessment, <i>TWE</i> pp. 20, 22, 23 | _____ <i>Alternate Assessment in the Science Classroom</i> , <i>TCR</i> |
| _____ Interactive Chalkboard CD-ROM , Chapter 1 Assessment | _____ <i>The Princeton Review: Reviewing Biology</i> , pp. 1–2 <i>TCR</i> |
| _____ <i>Chapter Assessment</i> , pp. 27–32 <i>URB</i> | |
| _____ <i>Student Recording Sheet</i> , p. 33 <i>URB</i> | |

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

Lesson Plan

BioDigest Unit 1

What is biology?

pp. 30–31

1/2 class session(s)

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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

_____ *Reinforcement and Study Guide*, *URB*: English, pp. 35–36; Spanish, pp. 37–38

Enrichment/Application

_____ Extension, *TWE* p. 33

Chapter Assessment

_____ Assessment, *TWE* p. 30

Notes