

Lesson Plan 2.1

Organisms and Their Environment

pp. 35–45

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

- **Distinguish** between the biotic and abiotic factors in the environment.
- **Compare** the different levels of biological organization and living relationships important in ecology.
- **Explain** the difference between a niche and a habitat.

National Science Content Standards

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

Focus

- _____ Section Focus Transparency 4 and Master, *TCR/URB*
- _____ Two-Minute Chapter Launcher, *TWE* p. 34
- _____ Bellringer, *TWE* p. 35

Teach

- _____ MiniLab 2.1, *SE* p. 36
- _____ Problem-Solving Lab 2.1, *SE* p. 37
- _____ Careers in Biology, *SE* p. 38
- _____ Additional Lab, *TWE* p. 38
- _____ Biology Journal, *TWE* p. 42
- _____ *Reading Essentials for Biology*, Section 2.1 *TCR*
- _____ *Transparency Worksheet*, p. 19 *URB*
- _____ *MiniLab Worksheet*, p. 3 *URB*
- _____ *Laboratory Manual*, pp. 9–10 *TCR*

Assess/Reteach

- _____ Section Assessment, *SE* p. 45
- _____ Check for Understanding, *TWE* p. 45
- _____ Reinforcement, *TWE* pp. 38, 44
- _____ Reteach, *TWE* p. 45
- _____ *Reinforcement and Study Guide*, *URB* English, pp. 9–10; Spanish, pp. 13–14

Enrichment/Application

- _____ Project, *TWE* p. 41
- _____ Extension, *TWE* p. 45
- _____ *Critical Thinking/Problem Solving*, p. 18 *URB*

Chapter Assessment

- _____ Assessment, *TWE* pp. 36, 37, 39, 45
- _____ *Performance Assessment in the Biology Classroom*, *TCR*
- _____ *Alternate Assessment in the Science Classroom*, *TCR*

Multimedia Options

- _____ **Interactive Chalkboard CD-ROM:**
Section 2.1 Presentation
- _____ **MindJogger Videoquizzes**, Ch. 2 DVD/VHS
- _____ **ExamView® Pro Testmaker CD-ROM**, Ch. 2
- _____ **TeacherWorks™ CD-ROM**
- _____ **Guided Reading Audio Summaries MP3**
- _____ **Virtual Labs CD-ROM**
Virtual Lab: *A Mini Biosphere*
- _____ *Using the Internet in the Science Classroom*, *TCR*
- _____ Glencoe Science Web site: bdol.glencoe.com

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Section Objectives

- **Compare** how organisms satisfy their nutritional needs.
- **Trace** the path of energy and matter in an ecosystem.
- **Analyze** how matter is cycled in the abiotic and biotic parts of the biosphere.

National Science Content Standards

UCP. 1–3; A.1, A.2; B.3, B.6; C.4, C.5, C.6; D.1, D.2; E.3–5; G.1–3

Focus

_____ Section Focus Transparency 5 and Master, TCR/URB

_____ Bellringer, TWE p. 46

Teach

_____ Problem-Solving Lab 2.2, SE p. 50

_____ MiniLab 2.2, SE p. 54

_____ Inside Story, SE p. 55

_____ Design Your Own BioLab, SE p. 58

_____ Biology & Society, SE p. 60

_____ Cultural Diversity, TWE p. 47

_____ Biology Journal, TWE p. 49

_____ Quick Demo, TWE pp. 49, 53

_____ Reading Essentials for Biology, Section 2.2 TCR

_____ Transparency Worksheets, pp. 20–30 URB

_____ MiniLab Worksheet, p. 4 URB

_____ BioLab Worksheet, pp. 5–6 URB

_____ Probeware Labs, pp. 1–4 TCR

_____ Basic Concepts Transparencies 1, 2 and Masters, TCR/URB

_____ Concept Mapping, p. 17 URB

_____ Inside Story Poster, TCR

Assess/Reteach

_____ Section Assessment, SE p. 57

_____ Check for Understanding, TWE p. 57

_____ Reinforcement, TWE pp. 47, 49, 51, 53, 56

_____ Reteach, TWE p. 57

_____ Reinforcement and Study Guide, URB

English, pp. 11–12; Spanish, pp. 15–16

_____ Reteaching Skills Transparencies 1–3 and Masters, TCR/URB

Enrichment/Application

_____ Enrichment, TWE p. 56

_____ Extension, TWE p. 57

Chapter Assessment

_____ Chapter Assessment, SE pp. 61–63

_____ Assessment, TWE pp. 50, 54, 57

_____ **Interactive Chalkboard CD-ROM,**

Chapter 2 Assessment

_____ Chapter Assessment, pp. 31–36 URB

_____ Student Recording Sheet, p. 37 URB

_____ Performance Assessment in the Biology Classroom, TCR

_____ Alternate Assessment in the Science Classroom, TCR

_____ The Princeton Review: Reviewing Biology, pp. 3–4 TCR

Multimedia Options

_____ **Interactive Chalkboard CD-ROM:**

Section 2.2 Presentation

_____ MindJogger Videoquizzes, Ch. 2 DVD/VHS

_____ ExamView® Pro Testmaker CD-ROM, Ch. 2

_____ Using the Internet in the Science Classroom, TCR

_____ TeacherWorks™ CD-ROM

_____ Guided Reading Audio Summaries MP3

_____ Glencoe Science Web site: bdol.glencoe.com