

Lesson Plan 2.1

Organisms and Their Environment



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

pp. 37–47

2 class session(s)

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.2; C.4, C.5, C.6; F.3; G.1–3

Georgia QCC

1.1, 2.1, 3.1, 3.2, 25.1, 25.2, 25.5

Focus

- _____ Section Focus Transparency 4 and Master
- _____ Getting Started Demo, TWE p. 36
- _____ Bellringer, TWE p. 37

Teach

- _____ MiniLab 2-1, SE p. 38
- _____ Problem-Solving Lab 2-1, SE p. 39
- _____ Careers in Biology, SE p. 40
- _____ Portfolio, TWE pp. 39, 42
- _____ Alternative Lab, TWE p. 40
- _____ Quick Demo, TWE pp. 40, 45
- _____ Biology Journal, TWE p. 44
- _____ *BioLab and MiniLab Worksheets*, p. 9 TCR
- _____ *Laboratory Manual*, pp. 9–10 TCR
- _____ *Spanish Resources*

Assess/Reteach

- _____ Section Assessment, SE p. 47
- _____ Check for Understanding, TWE p. 46
- _____ Reinforcement, TWE p. 46
- _____ Reteach, TWE p. 47
- _____ *Content Mastery*, pp. 9–10, 12 TCR
- _____ *Reinforcement and Study Guide*, pp. 7–8 TCR

Enrichment/Application

- _____ Tech Prep, TWE p. 38
- _____ Enrichment, TWE p. 41
- _____ Project, TWE pp. 43, 46
- _____ Extension, TWE p. 47
- _____ *Critical Thinking/Problem Solving*, p. 2 TCR
- _____ *Tech Prep Applications*, pp. 3–4 TCR

Close

- _____ Activity, TWE p. 47

Chapter Assessment

- _____ Assessment, TWE pp. 38, 39, 41, 42, 47
- _____ *Performance Assessment in the Biology Classroom*, TCR
- _____ *Alternate Assessment in the Science Classroom*, TCR

Multimedia Options

- _____ BDOL CD-ROM Section 2.1 Summary;
- _____ Video: *How Organisms Interact, Symbiosis*
- _____ **MindJogger Videoquizzes**, Ch.2 videotape
- _____ **ExamView®Pro Software**, Ch. 2
- _____ **BDOL Videodisc: *How Organisms Interact, Symbiosis***
- _____ **Videodisc: *The Infinite Voyage: Secrets from a Frozen World; The Secret of Life: Niche, Predator—Prey***
- _____ *Using the Internet in the Science Classroom*, TCR
- _____ Glencoe Science Web Site:
ga.science.glencoe.com



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pp. 48–65

3 class session(s)

Section Objectives

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

National Science Content Standards

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

Georgia QCC 1.1, 1.2, 1.3, 1.4, 2.1, 3.1, 3.2, 6.2, 7.2, 7.3, 25.1, 25.2, 25.3, 25.5

Focus

- _____ Section Focus Transparency 5 and Master
- _____ Bellringer, TWE p. 48

Teach

- _____ Problem-Solving Lab 2-2, SE p. 52
- _____ MiniLab 2-2, SE p. 56
- _____ Inside Story, SE p. 57
- _____ Design Your Own BioLab, SE p. 60
- _____ Biology & Society, SE p. 62
- _____ Cultural Diversity, TWE p. 49
- _____ Biology Journal, TWE pp. 50, 51, 52, 55, 56
- _____ Portfolio, TWE pp. 53, 58
- _____ Quick Demo, TWE p. 55
- _____ BioLab and MiniLab Worksheets, pp. 10–12 TCR
- _____ Laboratory Manual, pp. 11–14 TCR
- _____ Basic Concepts Transparencies 1, 2 and Masters
- _____ Concept Mapping, p. 2 TCR
- _____ Inside Story Poster, TCR
- _____ Spanish Resources

Assess/Reteach

- _____ Section Assessment, SE p. 59
- _____ Check for Understanding, TWE p. 58
- _____ Reinforcement, TWE pp. 49, 51, 55, 58
- _____ Reteach, TWE p. 59
- _____ Reinforcement and Study Guide, pp. 9–10 TCR
- _____ Reteaching Skills Transparencies 1, 2, 3 and Masters
- _____ Content Mastery, pp. 9, 11–12 TCR
- _____ 5 Days to the Georgia High School Graduation Test, TCR

Enrichment/Application

- _____ Enrichment, TWE p. 58
- _____ Extension, TWE p. 59

Close

- _____ Activity, TWE p. 59

Chapter Assessment

- _____ Chapter Assessment, SE p. 63–65
- _____ Assessment, TWE pp. 52, 55, 56, 57, 58, 59, 61
- _____ BDOL Interactive CD-ROM, Chapter 2 quiz
- _____ Chapter Assessment, pp. 7–12 TCR
- _____ Performance Assessment in the Biology Classroom, TCR
- _____ Alternate Assessment in the Science Classroom, TCR

Multimedia Options

- _____ BDOL CD-ROM Section 2.2 Summary;
- _____ BioQuest: *Antarctic Food Web*; Exploration: *Pyramid of Energy*
- _____ MindJogger Videoquizzes, Ch.2 videotape
- _____ ExamView®Pro Software, Ch. 2
- _____ Using the Internet in the Science Classroom, TCR
- _____ BDOL Videodisc: *The Everglades*
- _____ Videodisc: *The Infinite Voyage*: Secrets from a Frozen World; *The Secret of Life*: Pyramid of Biomass, Carbon Cycle, Nitrogen Cycle
- _____ NGS Videodisc: *STV: Water*
- _____ Glencoe Science Web Site: ga.science.glencoe.com