



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

Section Objectives

- Identify the different kinds of viruses.
- Compare and contrast the replication cycles of viruses.

National Science Content Standards

UCP.1, UCP.2, UCP.5; A.1, A.2; C.5; F.1, F.5; G.1-3

Georgia QCC

1.1, 1.2, 2.1, 3.2, 4.1, 14.1, 14.2.

Focus

- _____ Section Focus Transparency 43 and Master Getting Started Demo, TWE p. 488
- _____ Bellringer, TWE p. 489

Teach

- _____ MiniLab 18-1, SE p. 490
- _____ Problem-Solving Lab 18-1, SE p. 494
- _____ Careers in Biology, SE p. 495
- _____ Focus on Viruses, SE p. 498
- _____ Biology Journal, TWE pp. 490, 494
- _____ Quick Demo, TWE p. 491
- _____ Portfolio, TWE pp. 492, 496
- _____ *BioLab and MiniLab Worksheets*, p. 85 TCR
- _____ *Laboratory Manual*, pp. 125–128 TCR
- _____ *Concept Mapping*, p. 18 TCR
- _____ Basic Concepts Transparencies 25, 26 and Masters
- _____ *Spanish Resources*

Assess/Reteach

- _____ Section Assessment, SE p. 497
- _____ Check for Understanding, TWE p. 496
- _____ Reteach, TWE p. 496
- _____ *Reinforcement and Study Guide*, pp. 79–80 TCR
- _____ *Content Mastery*, pp. 89–90, 92 TCR
- _____ Reteaching Skills Transparency 27 and Master

Enrichment/Application

- _____ Enrichment, TWE p. 491
- _____ Project, TWE p. 493
- _____ Extension, TWE p. 497

Close

- _____ Discussion, TWE p. 497

Chapter Assessment

- _____ Assessment, TWE pp. 490, 493, 494, 497
- _____ *Performance Assessment in the Biology Classroom*, TCR
- _____ *Alternate Assessment in the Science Classroom*, TCR

Multimedia Options

- _____ **BDOL CD-ROM** Section 18.1 Summary; Animation: *The Lytic Cycle*
- _____ **MindJogger Videoquizzes**, Ch. 18 videotape
- _____ **Videotape:** *The Secret of Life:* Nothing to Sneeze at: Viruses, What's in Stetter's Pond?, Tinkering with our Genes
- _____ **ExamView®Pro Software**, Ch. 18
- _____ **BDOL Videodisc:** *The Lytic Cycle*, *The Lysogenic Cycle*
- _____ **Videodisc:** *The Secret of Life:* Flu Virus, Bacterial Virus—Phage, Tinkering with our Genes
- _____ **NGS Videodisc:** *STV: Human Body Vol. 3 Using the Internet in the Science Classroom*, TCR
- _____ Glencoe Science Web Site: ga.science.glencoe.com

Lesson Plan 18.2

Archaeobacteria and Eubacteria



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pp. 500–517

3 class sessions(s)

Section Objectives

- Compare the types of prokaryotes.
- Explain the characteristics and adaptations of bacteria.
- Evaluate the economic importance of bacteria.

National Science Content Standards

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

Georgia QCC

1.1, 1.2, 1.3, 1.4, 2.1, 3.2, 4.3, 5.2, 5.4, 6.2, 12.3, 14.1, 14.2, 15.1, 15.2, 15.3, 15.4, 25.3

Focus

_____ Section Focus Transparency 44 and Master
_____ Bellringer *TWE* p. 500

Teach

- | | |
|--|---|
| _____ Inside Story, <i>SE</i> p. 503 | _____ Quick Demo, <i>TWE</i> pp. 504, 509 |
| _____ MiniLab 18-2, <i>SE</i> p. 506 | _____ Cultural Diversity, <i>TWE</i> p. 510 |
| _____ Problem-Solving Lab 18-2, <i>SE</i> p. 508 | _____ <i>BioLab and MiniLab Worksheets</i> , pp. 86–88 <i>TCR</i> |
| _____ Design Your Own BioLab, <i>SE</i> p. 512 | _____ <i>Laboratory Manual</i> , pp. 129–132 <i>TCR</i> |
| _____ Biology & Society, <i>SE</i> p. 514 | _____ <i>Inside Story Poster</i> , <i>TCR</i> |
| _____ Biology Journal, <i>TWE</i> pp. 503, 507 | _____ Basic Concepts Transparency 27 and Master |
| _____ Portfolio, <i>TWE</i> p. 503 | _____ <i>Spanish Resources</i> |
| _____ Alternative Lab, <i>TWE</i> p. 504 | |

Assess/Reteach

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|--|---|
| _____ Section Assessment, <i>SE</i> p. 511 | _____ <i>Reinforcement and Study Guide</i> , pp. 81–82, <i>TCR</i> |
| _____ Check for Understanding, <i>TWE</i> p. 510 | _____ Reteaching Skills Transparency 28 and Master |
| _____ Reteach, <i>TWE</i> p. 510 | _____ <i>Content Mastery</i> , pp. 89, 91–92 <i>TCR</i> |
| | _____ <i>5 Days to the Georgia High School Graduation Test</i> , <i>TCR</i> |

Enrichment/Application

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|--|---|
| _____ Project, <i>TWE</i> pp. 500, 509 | _____ Extension, <i>TWE</i> p. 511 |
| _____ Tech Prep, <i>TWE</i> pp. 505, 510 | _____ <i>Critical Thinking/Problem Solving</i> , p. 18 <i>TCR</i> |
| _____ Enrichment, <i>TWE</i> p. 509 | |

Close

- _____ Brainstorming, *TWE* p. 511

Chapter Assessment

- | | |
|--|---|
| _____ Chapter Assessment, <i>SE</i> pp. 515–517 | _____ <i>Performance Assessment in the Biology Classroom</i> , <i>TCR</i> |
| _____ Assessment, <i>TWE</i> pp. 505, 506, 508, 511, 513 | _____ <i>Alternate Assessment in the Science Classroom</i> , <i>TCR</i> |
| _____ BDOL Interactive CD-ROM , Chapter 18 quiz | |
| _____ <i>Chapter Assessment</i> , pp. 103–108 <i>TCR</i> | |

Multimedia Options

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| _____ BDOL CD-ROM Section 18.2 Summary; BioQuest: <i>Biodiversity Park</i> ; Video: <i>Binary Fission</i> | _____ BDOL Videodisc: <i>Binary Fission</i> |
| _____ MindJogger Videoquizzes , Ch. 18 videotape | _____ <i>Using the Internet in the Science Classroom</i> , <i>TCR</i> |
| _____ ExamView®Pro Software , Ch. 18 | _____ Glencoe Science Web Site:
ga.science.glencoe.com |