

Lesson Plan

14.1

The Record of Life

pp. 376–387

2 class session(s)



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 types of fossils and how they are formed.
- Summarize the major events of the Geologic Time Scale.

National Science Content Standards

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

Georgia QCC

1.1, 1.3, 1.4, 2.1, 3.2, 4.3, 4.4, 6.1, 6.2, 12.1, 12.2

Focus

Section Focus Transparency 35 and Master Getting Started Demo, *TWE* p. 376
Bellringer, *TWE* p. 377

Teach

- _____ MiniLab 14-1, *SE* p. 379
- _____ Problem-Solving Lab 14-1, *SE* p. 380
- _____ Inside Story, *SE* p. 381
- _____ Careers in Biology, *SE* p. 382
- _____ MiniLab 14-2, *SE* p. 384
- _____ Investigate BioLab, *SE* p. 394
- _____ Getting Started Demo, *TWE* p. 376
- _____ Cultural Diversity, *TWE* p. 378
- _____ Quick Demos, *TWE* pp. 380, 381, 385
- _____ Portfolio, *TWE* p. 382
- _____ Biology Journals, *TWE* pp. 383, 384
- _____ *BioLab and MiniLab Worksheets*, pp. 67–68 *TCR*
- _____ *Laboratory Manual*, pp. 99–102 *TCR*
- _____ *Concept Mapping*, p. 14 *TCR*
- _____ *Spanish Resources*

Assess/Reteach

- _____ Section Assessment, *SE* p. 387
- _____ Check for Understanding, *TWE* p. 386
- _____ Reteach, *TWE* p. 386
- _____ *Content Mastery*, pp. 69–70, 72 *TCR*
- _____ *Reinforcement and Study Guide*, pp. 61–62 *TCR*
- _____ Reteaching Skills Transparency 23 and Master

Enrichment/Application

- _____ Project, *TWE* pp. 381, 386
- _____ Tech Prep, *TWE* p. 378
- _____ Enrichment, *TWE* pp. 382, 385
- _____ Extension, *TWE* p. 387
- _____ *Critical Thinking/Problem Solving*, p. 14 *TCR*

Close

- _____ Discussion, *TWE* p. 387

Chapter Assessment

- _____ Assessment, *TWE* pp. 379, 380, 384, 385, 387
- _____ *Performance Assessment in the Biology Classroom*, *TCR*
- _____ *Alternate Assessment in the Science Classroom*, *TCR*

Multimedia Options

- _____ **BDOL CD-ROM** Section 14.1 Summary; Exploration: *The Record of Life*
- _____ **MindJogger Videoquizzes**, Ch.14 videotape
- _____ **ExamView®Pro Software**, Ch. 14
- _____ *Using the Internet in the Science Classroom*, *TCR*
- _____ **BDOL Videodisc:** *Discovering Dinosaurs; Plate Tectonics*
- _____ Glencoe Science Web Site: ga.science.glencoe.com



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Section Objectives

- **Analyze** early experiments that support the concept of biogenesis.
- **Compare and contrast** modern theories of the origin of life.
- **Relate** hypotheses about the origin of cells to the environmental conditions of early Earth.

National Science Content Standards

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

Georgia QCC

1.1, 1.2, 2.1, 4.1, 4.2, 4.3, 4.4, 6.1, 6.2, 7.2, 12.1

Focus

- _____ Section Focus Transparency 36 and Master
 _____ Bellringer, *TWE* p. 388

Teach

- _____ Problem-Solving Lab 14-2, *SE* p. 392
 _____ Biology & Society, *SE* p. 396
 _____ Quick Demo, *TWE* p. 389
 _____ Portfolio, *TWE* p. 389
 _____ Alternative Lab, *TWE* p. 390
- _____ Biology Journal, *TWE* p. 392
 _____ *BioLab and MiniLab Worksheets*, pp. 69–70 *TCR*
 _____ Basic Concepts Transparency 20 and Master
 _____ *Spanish Resources*

Assess/Reteach

- _____ Section Assessment, *SE* p. 393
 _____ Check for Understanding, *TWE* p. 392
 _____ Reteach, *TWE* p. 393
 _____ *Reinforcement and Study Guide*, pp. 63–64 *TCR*
 _____ *Content Mastery*, pp. 69, 71–72 *TCR*
- _____ *5 Days to the Georgia High School Graduation Test*, *TCR*

Enrichment/Application

- _____ Tech Prep, *TWE* p. 390
 _____ Extension, *TWE* p. 393

Close

- _____ Discussion, *TWE*, p. 393

Chapter Assessment

- _____ Chapter Assessment, *SE* pp. 397–399
 _____ Assessment, *TWE* pp. 390, 391, 392, 393
 _____ *Chapter Assessment*, pp. 79–84, *TCR*
 _____ *Performance Assessment in the Biology Classroom*, *TCR*
- _____ *Alternate Assessment in the Science Classroom*, *TCR*
 _____ **BDOL Interactive CD-ROM**, Chapter 14 quiz

Multimedia Options

- _____ **BDOL CD-ROM** Section 14.2 Summary
 _____ **MindJogger Videoquizzes**, Ch.14 videotape
 _____ **ExamView®Pro Software**, Ch. 14
 _____ *Using the Internet in the Science Classroom*, *TCR*
 _____ **Videodisc:** *The Secret of Life*, Archaeobacteria
- _____ **Videotape:** *The Secret of Life*, What's in Stetter's Pond: The Basics of Life
 _____ Glencoe Science Web Site:
 _____ ga.science.glencoe.com