

Lesson Plan 24.1

Life Cycles of Mosses, Ferns, and Conifers

pp. 633–640

1 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

- Review the steps of alternation of generations.
- Survey and identify methods of reproduction and the life cycles of mosses, ferns, and conifers.

National Science Content Standards

UCP.1–3, UCP.5; A.1, A.2; C.1, C.5

Focus

- _____ Section Focus Transparency 58 and Master, TCR/URB
- _____ Two-Minute Chapter Launcher, TWE p. 632
- _____ Bellringer, TWE p. 633

Teach

- _____ MiniLab 24.1, SE p. 634
- _____ Problem-Solving Lab 24.1, SE p. 640
- _____ Biotechnology, SE p. 660
- _____ Quick Demo, TWE p. 637
- _____ Biology Journal, TWE pp. 637, 639
- _____ MiniLab Worksheet, p. 101 URB
- _____ Transparency Worksheets, pp. 115, 119–124, 131–134 URB
- _____ Concept Mapping, p. 113 URB
- _____ Basic Concepts Transparencies 38, 39, 40 and Masters, TCR/URB
- _____ Reading Essentials for Biology, Section 24.1 TCR

Assess/Reteach

- _____ Section Assessment, SE p. 640
- _____ Check for Understanding, TWE p. 640
- _____ Reteach, TWE p. 640
- _____ Reteaching Skills Transparencies 35, 36 and Masters, TCR/URB
- _____ Reinforcement and Study Guide, URB: English, pp. 105–106; Spanish, pp. 109–110

Enrichment/Application

- _____ Extension, TWE p. 640

Chapter Assessment

- _____ Assessment, TWE pp. 634, 639, 640
- _____ Alternate Assessment in the Science Classroom, TCR
- _____ Performance Assessment in the Biology Classroom, TCR

Multimedia Options

- _____ Interactive Chalkboard CD-ROM: Section 24.1 Presentation
- _____ MindJogger Videoquizzes, Ch. 24 DVD/VHS
- _____ ExamView®Pro Testmaker CD-ROM, Ch. 24
- _____ TeacherWorks™ CD-ROM
- _____ Guided Reading Audio Summaries MP3
- _____ Using the Internet in the Science Classroom, TCR
- _____ Glencoe Science Web site: bdol.glencoe.com

pp. 641–645

1 class session(s)

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Section Objectives

- Identify the organs of a flower.
- Examine how photoperiodism influences flowering.

National Science Content Standards

UCP.1, UCP.2, UCP.5; A.1, A.2; C.1, C.5; G.1, G.2

Focus

_____ Section Focus Transparency 59 and Master, *TCR/URB*
 _____ Bellringer, *TWE* p. 641

Teach

_____ Problem-Solving Lab 24.2, *SE* p. 644
 _____ Inside Story, *SE* p. 642
 _____ Investigate BioLab, *SE* p. 658
 _____ Quick Demo, *TWE* p. 643
 _____ *BioLab Worksheet*, pp. 103–104 *URB*

_____ *Transparency Worksheets*, pp. 116, 125–130, 135–136 *URB*
 _____ *Inside Story Poster*, *TCR*
 _____ Basic Concepts Transparencies 41, 42, 43 and Masters, *TCR/URB*
 _____ *Reading Essentials for Biology*, Section 24.2 *TCR*

Assess/Reteach

_____ Section Assessment, *SE* p. 645
 _____ Reinforcement, *TWE* p. 643
 _____ Check for Understanding, *TWE* p. 645
 _____ Reteach, *TWE* p. 645
 _____ Reteaching Skills Transparency 37 and Master, *TCR/URB*
 _____ *Reinforcement and Study Guide*, *URB*: English, p. 107; Spanish, p. 111

Enrichment/Application

_____ Extension, *TWE* p. 645

Chapter Assessment

_____ Assessment, *TWE* pp. 644, 645
 _____ *Alternate Assessment in the Science Classroom*, *TCR*
 _____ *Performance Assessment in the Biology Classroom*, *TCR*

Multimedia Options

_____ **Interactive Chalkboard CD-ROM:** Section 24.2 Presentation
 _____ **MindJogger Videoquizzes**, Ch. 24 DVD/VHS
 _____ **ExamView® Pro Testmaker CD-ROM**, Ch. 24
 _____ **TeacherWorks™ CD-ROM**
 _____ **Guided Reading Audio Summaries MP3**
 _____ *Using the Internet in the Science Classroom*, *TCR*
 _____ Glencoe Science Web site: bdol.glencoe.com

Lesson Plan 24.3

The Life Cycle of a Flowering Plant

pp. 646–657

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

- **Survey and identify** the methods of reproduction, growth, and development in flowering plants.
- **Outline** the processes in which cells differentiate during the formation of seeds and fruits and during seed germination.

National Science Content Standards

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

Focus

_____ Section Focus Transparency 60 and Master, *TCR/URB*
_____ Bellringer, *TWE* p. 646

Teach

_____ Careers in Biology, *SE* p. 652
_____ MiniLab 24.2, *SE* p. 657
_____ Quick Demo, *TWE* pp. 647, 651
_____ Biology Journal, *TWE* p. 647
_____ Portfolio, *TWE* p. 649
_____ Investigate BioLab, *SE* p. 658
_____ *MiniLab Worksheet*, p. 102 *URB*
_____ *Transparency Worksheet*, p. 117 *URB*
_____ Cultural Diversity, *TWE* p. 652
_____ Additional Lab, *TWE* p. 654
_____ *Laboratory Manual*, pp. 151–154, 155–158 *TCR*
_____ *Reading Essentials for Biology*, Section 24.3 *TCR*

Assess/Reteach

_____ Section Assessment, *SE* p. 657
_____ Reinforcement, *TWE* p. 648
_____ Check for Understanding, *TWE* p. 657
_____ Reteach, *TWE* p. 657
_____ *Reinforcement and Study Guide*, *URB*
_____ English, p. 108; Spanish, p. 112

Enrichment/Application

_____ Enrichment, *TWE* p. 652
_____ Extension, *TWE* p. 657
_____ Project, *TWE* p. 649
_____ *Critical Thinking/Problem Solving*, p. 114 *URB*

Chapter Assessment

_____ Chapter Assessment, *SE* p. 661–663
_____ Assessment, *TWE* pp. 655, 656, 657
_____ **Interactive Chalkboard CD-ROM:**
_____ Chapter 24 Assessment
_____ *Chapter Assessment*, pp. 137–142 *URB*
_____ *Student Recording Sheet*, p. 143 *URB*
_____ *Alternate Assessment in the Science Classroom*, *TCR*
_____ *Performance Assessment in the Biology Classroom*, *TCR*
_____ *The Princeton Review: Reviewing Biology*, pp. 47–48 *TCR*

Multimedia Options

_____ **Interactive Chalkboard CD-ROM:**
_____ Section 24.3 Presentation
_____ **MindJogger Videoquizzes**, Ch. 24 DVD/VHS
_____ **ExamView® Pro Testmaker CD-ROM**, Ch. 24
_____ **TeacherWorks™ CD-ROM**
_____ **Guided Reading Audio Summaries MP3**
_____ *Using the Internet in the Science Classroom*, *TCR*
_____ Glencoe Science Web site: bdol.glencoe.com

Lesson Plan

BioDigest Unit 7

Plants

pp. 664–667

1/2 class session(s)

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National Science Content Standards

UCP.1, UCP.5; C.3–5

Focus

_____ Bellringer, *TWE* p. 664

Teach

- _____ Focus on Adaptations—Alternation of Generations, *SE* p. 664
- _____ Vital Statistics, *SE* p. 665
- _____ Focus on Adaptations—Moving from Water to Land, *SE* p. 666
- _____ Quick Demo, *TWE* p. 665
- _____ Biology Journal, *TWE* p. 666

Assess/Reteach

- _____ Check for Understanding, *TWE* p. 667
- _____ Reteach, *TWE* p. 667
- _____ *Reinforcement and Study Guide*, *URB*: English, pp. 145–146; Spanish, pp. 147–148

Enrichment/Application

- _____ Project, *TWE* p. 667
- _____ Extension, *TWE* p. 667

Assessment

- _____ Assessment, *TWE* p. 667

Notes