



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

pp. 596–600

1 class session(s)

### Section Objectives

- Identify the structures of nonvascular plants.
- Compare and contrast characteristics of the different groups of nonvascular plants.

### National Science Content Standards

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

### Georgia QCC

1.1, 2.1, 18.1, 18.2, 18.3

### Focus

- \_\_\_\_\_ Section Focus Transparency 52 and Master Getting Started Demo, *TWE* p. 596
- \_\_\_\_\_ Bellringer, *TWE* p. 597

### Teach

- \_\_\_\_\_ Problem-Solving Lab 22-1, *SE* p. 598
- \_\_\_\_\_ Portfolio, *TWE* p. 598
- \_\_\_\_\_ Quick Demo, *TWE* p. 599
- \_\_\_\_\_ Biology Journal, *TWE* p. 599
- \_\_\_\_\_ *Spanish Resources*

### Assess/Reteach

- \_\_\_\_\_ Section Assessment, *SE* p. 600
- \_\_\_\_\_ Check for Understanding, *TWE* p. 599
- \_\_\_\_\_ Reteach, *TWE* p. 600
- \_\_\_\_\_ *Reinforcement and Study Guide*, p. 97 *TCR*
- \_\_\_\_\_ *Content Mastery*, pp. 109–110, 112 *TCR*

### Enrichment/Application

- \_\_\_\_\_ Extension, *TWE* p. 600

### Close

- \_\_\_\_\_ Activity, *TWE* p. 600

### Chapter Assessment

- \_\_\_\_\_ Assessment, *TWE* pp. 598, 599, 600
- \_\_\_\_\_ *Alternate Assessment in the Science Classroom*, *TCR*
- \_\_\_\_\_ *Performance Assessment in the Biology Classroom*, *TCR*

### Multimedia Options

- \_\_\_\_\_ **BDOL CD-ROM** Section 22.1 Summary; Animation: *Life Cycle of a Moss*
- \_\_\_\_\_ **MindJogger Videoquizzes**, Ch. 22 videotape
- \_\_\_\_\_ **ExamView®Pro Software**, Ch. 22
- \_\_\_\_\_ **Videodisc:** *The Secret of Life: A Moss*
- \_\_\_\_\_ *Using the Internet in the Science Classroom*, *TCR*
- \_\_\_\_\_ Glencoe Science Web Site: [ga.science.glencoe.com](http://ga.science.glencoe.com)

## Lesson Plan

# 22.2

## Non-Seed Vascular Plants



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pp. 601–607

1 class session(s)

### Section Objectives

- **Explain** the importance of vascular tissue to life on land.
- **Identify** the characteristics of the non-seed vascular plant divisions.

### National Science Content Standards

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

### Georgia QCC

1.1, 1.3, 1.4, 18.1, 18.2, 18.3

### Focus

\_\_\_\_\_ Section Focus Transparency 53 and Master  
\_\_\_\_\_ Bellringer, TWE p. 601

### Teach

\_\_\_\_\_ Problem-Solving Lab 22-2, SE p. 604  
\_\_\_\_\_ MiniLab 22-1, SE p. 606  
\_\_\_\_\_ Quick Demo, TWE p. 602  
\_\_\_\_\_ Biology Journal, TWE p. 603  
\_\_\_\_\_ Portfolio, TWE p. 603  
\_\_\_\_\_ BioLab and MiniLab Worksheets, p.101 TCR  
\_\_\_\_\_ Laboratory Manual, pp. 153–156 TCR  
\_\_\_\_\_ Spanish Resources

### Assess/Reteach

\_\_\_\_\_ Section Assessment, SE p. 607  
\_\_\_\_\_ Check for Understanding, TWE p. 607  
\_\_\_\_\_ Reteach, TWE p. 607  
\_\_\_\_\_ Reinforcement and Study Guide, pp. 98–99 TCR  
\_\_\_\_\_ Content Mastery, pp. 109–110, 112 TCR

### Enrichment/Application

\_\_\_\_\_ Enrichment, TWE p. 603  
\_\_\_\_\_ Project, TWE p. 606  
\_\_\_\_\_ Extension, TWE p. 607

### Close

\_\_\_\_\_ Discussion, TWE p. 607

### Chapter Assessment

\_\_\_\_\_ Assessment, TWE pp. 602, 604, 606, 607  
\_\_\_\_\_ Alternate Assessment in the Science Classroom, TCR  
\_\_\_\_\_ Performance Assessment in the Biology Classroom, TCR

### Multimedia Options

\_\_\_\_\_ BDOL CD-ROM Section 22.2 Summary; BioQuest: Biodiversity Park; Video: Fern Development  
\_\_\_\_\_ MindJogger Videoquizzes, Ch. 22 videotape  
\_\_\_\_\_ ExamView®Pro Software, Ch. 22  
\_\_\_\_\_ Videodisc: *The Secret of Life: Life Cycle of a Fern*  
\_\_\_\_\_ NGS Videodisc: *STV: Plants*  
\_\_\_\_\_ Using the Internet in the Science Classroom, TCR  
\_\_\_\_\_ Glencoe Science Web Site: [ga.science.glencoe.com](http://ga.science.glencoe.com)



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## Section Objectives

- Identify the characteristics of seed plants.
- Analyze the advantages of seed and fruit production.

## Focus

- \_\_\_\_\_ Section Focus Transparency 54 and Master Bellringer, *TWE* p. 608

## National Science Content Standards

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

## Georgia QCC

1.1, 1.2, 2.1, 3.2, 19.1, 19.2

## Teach

- \_\_\_\_\_ MiniLab 22-2, *SE* p. 609
- \_\_\_\_\_ Inside Story, *SE* p. 613
- \_\_\_\_\_ Careers in Biology, *SE* p. 616
- \_\_\_\_\_ Design Your Own BioLab, *SE* p. 618
- \_\_\_\_\_ Cultural Diversity, *TWE* p. 609
- \_\_\_\_\_ Quick Demo, *TWE* p. 610
- \_\_\_\_\_ Biology Journal, *TWE* p. 610
- \_\_\_\_\_ Alternative Lab, *TWE* p. 612
- \_\_\_\_\_ Portfolio, *TWE* p. 614
- \_\_\_\_\_ *Concept Mapping*, p. 22 *TCR*
- \_\_\_\_\_ *BioLab and MiniLab Worksheets*, pp. 102–104 *TCR*
- \_\_\_\_\_ Basic Concepts Transparencies 34, 35 and Masters
- \_\_\_\_\_ *Laboratory Manual*, pp. 157–160 *TCR*
- \_\_\_\_\_ *Spanish Resources*

## Assess/Reteach

- \_\_\_\_\_ Section Assessment, *SE* p. 617
- \_\_\_\_\_ Check for Understanding, *TWE* p. 616
- \_\_\_\_\_ Reteach, *TWE* p. 617
- \_\_\_\_\_ *Reinforcement and Study Guide*, p. 100 *TCR*
- \_\_\_\_\_ *Content Mastery*, pp. 109, 111–112 *TCR*
- \_\_\_\_\_ *5 Days to the Georgia High School Graduation Test*, *TCR*

## Enrichment/Application

- \_\_\_\_\_ Enrichment, *TWE* p. 611
- \_\_\_\_\_ Tech Prep, *TWE* pp. 614, 616
- \_\_\_\_\_ Extension, *TWE* p. 617
- \_\_\_\_\_ *Critical Thinking/Problem Solving*, p. 22 *TCR*

## Close

- \_\_\_\_\_ Discussion, *TWE* p. 617

## Chapter Assessment

- \_\_\_\_\_ Chapter Assessment, *SE* pp. 621–623
- \_\_\_\_\_ Assessment, *TWE* pp. 609, 610, 613, 615, 617, 619
- \_\_\_\_\_ *Chapter Assessment*, pp. 127–132 *TCR*
- \_\_\_\_\_ **BDOL Interactive CD-ROM**, Chapter 22 quiz
- \_\_\_\_\_ *Performance Assessment in the Biology Classroom*, *TCR*
- \_\_\_\_\_ *Alternate Assessment in the Science Classroom*, *TCR*

## Multimedia Options

- \_\_\_\_\_ **BDOL CD-ROM** Section 22.3 Summary; Exploration: *Classifying Pines, Angiosperm*; Video: *Giant Redwoods, Blooming Flowers*
- \_\_\_\_\_ **MindJogger Videoquizzes**, Ch. 22 videotape
- \_\_\_\_\_ **ExamView®Pro Software**, Ch. 22
- \_\_\_\_\_ **Videodisc:** *The Infinite Voyage: Life in the Balance*
- \_\_\_\_\_ **NGS Videodisc:** *STV: Plants Using the Internet in the Science Classroom*, *TCR*
- \_\_\_\_\_ Glencoe Science Web Site: [ga.science.glencoe.com](http://ga.science.glencoe.com)