



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

pp. 574–583

1 class session(s)

## Section Objectives

- **Compare and contrast** characteristics of algae and plants.
- **List** the characteristics of plants that adapt them for life on land.
- **Describe** the alternation of generation in land plants.

## National Science Content Standards

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

## Georgia QCC

1.1, 1.3, 1.4, 2.1, 3.2, 6.3, 12.1, 18.1, 18.2, 18.3, 19.3, 19.4

## Focus

- \_\_\_\_\_ Section Focus Transparency 50 and Master
- \_\_\_\_\_ Getting Started Demo, *TWE* p. 574
- \_\_\_\_\_ Bellringer, *TWE* p. 575

## Teach

- \_\_\_\_\_ MiniLab 21-1, *SE* p. 577
- \_\_\_\_\_ Problem-Solving Lab 21-1, *SE* p. 579
- \_\_\_\_\_ Focus on Plants for People, *SE* p. 580
- \_\_\_\_\_ Alternative Lab, *TWE* p. 576
- \_\_\_\_\_ Quick Demo, *TWE* p. 576
- \_\_\_\_\_ Portfolio, *TWE* pp. 578, 580
- \_\_\_\_\_ *Concept Mapping*, p. 21 *TCR*
- \_\_\_\_\_ *BioLab and MiniLab Worksheets*, p. 97 *TCR*
- \_\_\_\_\_ *Laboratory Manual*, pp. 145–152 *TCR*
- \_\_\_\_\_ *Spanish Resources*

## Assess/Reteach

- \_\_\_\_\_ Section Assessment, *SE* p. 579
- \_\_\_\_\_ Check for Understanding, *TWE* p. 579
- \_\_\_\_\_ Reteach, *TWE* p. 579
- \_\_\_\_\_ *Reinforcement and Study Guide*, pp. 93–94 *TCR*
- \_\_\_\_\_ *Content Mastery*, pp. 105–106, 108 *TCR*

## Enrichment/Application

- \_\_\_\_\_ Extension, *TWE* p. 579
- \_\_\_\_\_ Tech Prep, *TWE* p. 581
- \_\_\_\_\_ Enrichment, *TWE* p. 581
- \_\_\_\_\_ *Tech Prep Applications*, pp. 31–32 *TCR*
- \_\_\_\_\_ *Critical Thinking/Problem Solving*, p. 21 *TCR*

## Close

- \_\_\_\_\_ Discussion, *TWE* p. 579

## Chapter Assessment

- \_\_\_\_\_ Assessment, *TWE* pp. 576, 577, 578, 579
- \_\_\_\_\_ *Alternate Assessment in the Science Classroom*, *TCR*
- \_\_\_\_\_ *Performance Assessment in the Biology Classroom*, *TCR*

## Multimedia Options

- \_\_\_\_\_ **BDOL CD-ROM** Section 21.1 Summary
- \_\_\_\_\_ **MindJogger Videoquizzes**, Ch. 21 videotape
- \_\_\_\_\_ **ExamView®Pro Software**, Ch. 21
- \_\_\_\_\_ **Videodisc:** *The Infinite Voyage: A Taste of Health*, *The Secret of Life: How Plants Are Used*
- \_\_\_\_\_ *Using the Internet in the Science Classroom*, *TCR*
- \_\_\_\_\_ Glencoe Science Web Site:  
[ga.science.glencoe.com](http://ga.science.glencoe.com)

# Lesson Plan 21.2

## Survey of the Plant Kingdom



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

pp. 584–595

2 class session(s)

### Section Objectives

- Describe the phylogenetic relationships among divisions of plants.
- Identify the twelve plant kingdom divisions.

### Focus

\_\_\_\_\_ Section Focus Transparency 51 and Master Bellringer, TWE p. 584

### National Science Content Standards

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

### Georgia QCC

1.1, 1.2, 2.1, 3.2, 12.1, 13.1, 18.1, 19.1, 19.2, 19.4

### Teach

\_\_\_\_\_ MiniLab 21-2, SE p. 586  
\_\_\_\_\_ Problem-Solving Lab 21-2, SE p. 588  
\_\_\_\_\_ Internet BioLab, SE p. 590  
\_\_\_\_\_ Health Connection, SE p. 592  
\_\_\_\_\_ Cultural Diversity, TWE p. 584  
\_\_\_\_\_ Biology Journal, TWE p. 584

\_\_\_\_\_ Portfolio, TWE p. 585  
\_\_\_\_\_ Quick Demo, TWE p. 585  
\_\_\_\_\_ BioLab and MiniLab Worksheets, pp. 98–100 TCR  
\_\_\_\_\_ Basic Concepts Transparency 33 and Master Spanish Resources

### Assess/Reteach

\_\_\_\_\_ Section Assessment, SE p. 589  
\_\_\_\_\_ Check for Understanding, TWE p. 589  
\_\_\_\_\_ Reteach, TWE p. 589

\_\_\_\_\_ Reinforcement and Study Guide, pp. 95–96, TCR  
\_\_\_\_\_ Content Mastery, pp. 105, 107–108 TCR  
\_\_\_\_\_ 5 Days to the Georgia High School Graduation Test, TCR

### Enrichment/Application

\_\_\_\_\_ Extension, TWE p. 589  
\_\_\_\_\_ Critical Thinking/Problem Solving, p. 21 TCR

### Close

\_\_\_\_\_ Activity, TWE p. 589

### Chapter Assessment

\_\_\_\_\_ Chapter Assessment, SE pp. 593–595  
\_\_\_\_\_ Assessment, TWE pp. 585, 586, 588, 589, 591  
\_\_\_\_\_ BDOL Interactive CD-ROM, Chapter 21 quiz  
\_\_\_\_\_ Chapter Assessment, pp. 121–126 TCR

\_\_\_\_\_ Performance Assessment in the Biology Classroom, TCR  
\_\_\_\_\_ Alternate Assessment in the Science Classroom, TCR

### Multimedia Options

\_\_\_\_\_ BDOL CD-ROM Section 21.2 Summary; Exploration: *The Five Kingdoms*; BioQuest: *Biodiversity Park*; Video: *Giant Redwoods*  
\_\_\_\_\_ MindJogger Videoquizzes, Ch. 21 videotape  
\_\_\_\_\_ ExamView®Pro Software, Ch. 21  
\_\_\_\_\_ Videodisc: *The Infinite Voyage*: To the Edge of the Earth, The Tropical Rain Forest

\_\_\_\_\_ NGS Videodisc: *What Is a Plant?*; How Plants Are Used  
\_\_\_\_\_ Using the Internet in the Science Classroom, TCR  
\_\_\_\_\_ Glencoe Science Web Site: [ga.science.glencoe.com](http://ga.science.glencoe.com)