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Name	Date	Class	
Chapter 11, continued			
Each of the following phrases is a characteristic vascular or nonvascular plants. In the special vascular plants or $N$ for nonvascular plants	ace provided, write $V$	for	
<b>15.</b> must be small			
<b>16.</b> some produce seeds			
17 can be any size			
Choose the main group of living plants in matches the definition in Column A, and letter in the space provided.			

Column A	Column B
<ul> <li>18. vascular, seed-bearing plants with flowers</li> <li>19. vascular, non-seed-bearing plants</li> <li>20. nonvascular plants</li> <li>21. vascular, seed-bearing plants without flowers</li> </ul>	<ul> <li>a. ferns, horsetails, and club mosses</li> <li>b. gymnosperms</li> <li>c. mosses and liverworts</li> <li>d. angiosperms</li> </ul>

#### **Review** (p. 253)

Now that you've finished Section 1, review what you learned by answering the Review questions in your ScienceLog.

# **Section 2: Seedless Plants** (p. 254)

groups of seedless plants. **1.** There are \_\_\_

#### Mosses and Liverworts (p. 254)

- 2. Why would you have a hard time finding moss growing in the hot, dry desert?
- 3. Rhizoids are like roots because
  - a. they contain vascular tissue.
  - **b.** they do not contain vascular tissue.
  - **c.** they help hold the plant in place.
  - **d.** None of the above

### Chapter 11, continued

4. During the moss life cycle, shown in Figure 7,

\_\_\_\_\_ carries the sperm cells to the egg.

- **5.** Which of the following are true of liverworts? (Circle all that apply.)
  - **a.** They are nonvascular plants.
  - **b.** They can live in very dry places.
  - **c.** Only 60 species of liverworts exist today.
  - **d.** Their gametophytes can be mosslike and leafy.
- **6.** Some people might say that mosses are worth more dead than alive. Give two examples of how this is true.

## Ferns, Horsetails, and Club Mosses (p. 255)

**7.** The development of a vascular system allowed some ancient plants to grow very tall. True or False? (Circle one.)

Choose the word or phrase in Column B that best matches the definition in Column A, and write the corresponding letter in the space provided.

Column A	Column B
<b>8.</b> the underground stem of most ferns	<b>a.</b> fern gametophyte
9. produces spores	<b>b.</b> fronds
10. wiry fern leaves and roots	<b>c.</b> fern sporophyte
11. small heart-shaped plant that produces both sperm cells and eggs	<b>d.</b> rhizome <b>e.</b> fiddleheads
12. young fern leaves	of fredericads

- **13.** Ferns rely on water to bring sperm cells to eggs. True or False? (Circle one.)
- 14. Horsetails feel gritty because their stems contain

**15.** While mosses and club mosses may look similar, only

\_\_\_\_\_ have vascular tissue.