

Skills Worksheet

Directed Reading A

Section: Seedless Plants

1. List the two groups of seedless plants.

NONVASCULAR PLANTS

- _____ 2. Nonvascular plants get the water they need
- a. from rhizomes.
 - b. from the environment or nearby cells.
 - c. from the ground through their roots.
 - d. from vascular tissues.
- _____ 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. they live in large groups.
- _____ 4. Rhizoids help nonvascular plants
- a. become tall and leafy.
 - b. develop vascular parts.
 - c. obtain water and nutrients.
 - d. produce spores.
- _____ 5. Which of the following is true of liverworts?
- a. They usually live in dry places.
 - b. They are very large.
 - c. They are vascular plants.
 - d. Their gametophytes can be mosslike and leafy.
6. List three reasons why nonvascular plants are important.

SEEDLESS VASCULAR PLANTS

7. Ancient _____ grew to 40 m but are smaller today.

Directed Reading A *continued*

8. An underground stem from which new leaves and roots grow is called a(n)

_____.

9. Describe the fern gametophyte.

10. Young fronds are called _____ because of how they are coiled.

Match the correct definition with the correct term. Write the letter in the space provided.

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| _____ 11. structure where silica is found in horsetails | a. 20 cm |
| _____ 12. substance that has a gritty texture | b. club mosses |
| _____ 13. plants that have life cycles similar to horsetails | c. stem |
| _____ 14. used by pioneers to scrub pans | d. horsetails |
| _____ 15. height of some modern horsetails | e. vascular tissue |
| _____ 16. height of some modern club mosses | f. silica |
| _____ 17. plants that grow in woodlands | g. 8 m |
| _____ 18. tissue found in club mosses but not in mosses | h. ferns |

19. What are four roles seedless vascular plants play in the environment?

Name _____ Class _____ Date _____

Directed Reading A *continued*

20. Name two kinds of seedless vascular plants that are popular houseplants.

21. Name two kinds of seedless vascular plants that can be eaten by humans.

22. In what way are fossilized seedless vascular plants that died 3 million years ago important to humans?
