

# Directed Reading A

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## Section: Seedless Plants

1. List the two groups of seedless plants.

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### 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.

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### SEEDLESS VASCULAR PLANTS

7. Ancient \_\_\_\_\_ grew to 40 m but are smaller today.

**Directed Reading A *continued***

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

\_\_\_\_\_.

9. Describe the fern gametophyte.

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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?

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Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

**Directed Reading A** *continued*

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

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

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

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