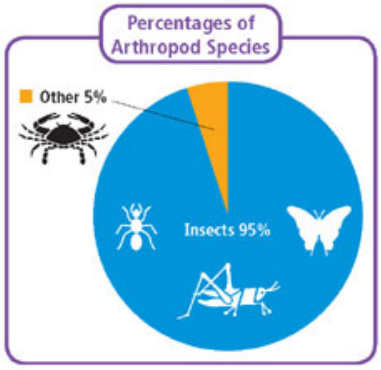
14. Which is **not** true of flowering plants?
   F. They are vascular plants.
   G. They produce oxygen.
   H. They produce seeds.
   J. They make cones.

15. What does this circle graph show?



   A. Almost all arthropods are insects.
   B. Insects are more important than arthropods.
   C. Most insects must live on land.
   D. There are more insects than any other kind of animal.

16. Which would you plant on a hillside to stop soil from washing away?
   F. trees **H.** liverworts
   G. mosses **J.** fungi

Inquiry Skills

17. How can you **use models** to compare fungus cells and plant cells?

18. You observe a brown carpet of moss turn green after a rain. **Plan a simple investigation** to find out why the change occurs.

Critical Thinking

19. Why do you think amphibians return to the water to lay their eggs?

The Big Idea

20. You are walking through your neighborhood when you find a plant you have never seen before. It is very short and has flowers. What are some other characteristics you should look for in order to classify this plant? Based on how you classify the new plant, what can you infer about its root system?

Inquiry Skills (5 pts. each)

17. I can make two models, one of a plant cell and one of a fungus cell, and compare them.

18. The moss is alive; it needed water.

Critical Thinking (5 pts. each)

19. Possible answer: It is easier for the young to find food and shelter in the water.

20. Possible answers: tubes inside the roots, stem, and leaves; a stem, roots. If the plant is vascular, it will have a well-developed root system. If it is nonvascular, it will have only rootlike parts.

Chapter Test

See ***Assessment Guide*** pp. AG 1–6 for a Chapter Test and Performance Task, with Long Option rubric. Assessment options appear on page 48H.

Short Option Performance Assessment

Task

Plant and Animal Classification

Make a chart that shows how organisms in this chapter are classified. Include plants and animals, and list how the different kinds are classified. Draw examples for each type of classification.

Rubric

Preparation Provide students with chart paper.

Scoring Rubric—Performance Indicators

_____ Students correctly classify organisms as plants or animals.

_____ Students classify plants as vascular or nonvascular.

_____ Students classify animals as vertebrates or invertebrates and include the various animal groups.

_____ Students include classification groups for fungi, protists, and bacteria.

Observations and Rubric Scores

3 2 1 0