

# Classifying Living Things

## Chapter 1 Study Guide

### Section 1: Vocabulary

Write the word or words that make the statement correct.

1. A living thing is also called a(n)

\_\_\_\_\_.

2. Plants that have tissue through which water and food move are \_\_\_\_\_ plants.

3. A group of organs that work together to do a certain job makes up a(n) \_\_\_\_\_.

4. The smallest unit of an organism that is capable of life is called a(n) \_\_\_\_\_.

5. The science of finding patterns among living things is called \_\_\_\_\_.

6. Similar cells that have the same job or function come together to make a(n) \_\_\_\_\_.

7. The green chemical in plant cells is called

\_\_\_\_\_.

8. Tissues of different kinds come together to make a(n)

\_\_\_\_\_.

9. Plants that do not have tubes through which water and food move are \_\_\_\_\_ plants.

### Vocabulary List

vascular

organ system

classification

organ

cell

nonvascular

tissue

chlorophyll

organism

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### Section 2: Science Concepts

Circle the letter of the best answer.

10. Which of these plant cell parts is not in an animal cell?
- A. nucleus  
B. mitochondrion  
C. chloroplast  
D. none of the above
11. The largest sub-division of living things is called a(n) \_\_\_\_\_.
- A. kingdom  
B. phylum  
C. bacteria  
D. class
12. The two largest groups in the plant kingdom are \_\_\_\_\_.
- A. ferns and mosses  
B. seed plants and seedless plants  
C. vascular plants and nonvascular plants  
D. trees and flowering plants
13. The smallest unit of an organism that is capable of life is called a \_\_\_\_\_.
- A. cell  
B. vacuole  
C. nucleus  
D. bacteria
14. The green "food factories" of plants are \_\_\_\_\_.
- A. cytoplasm  
B. mitochondria  
C. vacuoles  
D. chloroplasts
15. Where do cells store water, food, and wastes?
- A. cell membrane  
B. nucleus  
C. vacuole  
D. chloroplast

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### Section 3: Science Process Skills

Answer each question using complete sentences.

16. **Infer** Would a plant cell be able to survive without chloroplasts? What would happen if the chloroplasts were removed from the cell?

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### Section 4: Using Science Concepts

Answer each question using complete sentences.

17. How are plant cells and animal cells alike?

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18. How are plant cells and animal cells different?

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### Section 5: Using Diagrams and Charts

Complete each chart with the missing information.

Levels of Organization chart goes here.

#### Terms for chart:

Organism

Tissue

Cell

Organ

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**Terms for chart:**

**Ferns**

**Conifers**

**Mosses**

**Vascular Seedless Plants**

**Flowering Plants**