

# Structure and Function in Living Systems

Name:

## Unicellular and Multicellular Organisms

Period:

Use Chapter 4, Section 3 of your textbook to answer the questions below. The word banks can be used to fill out the sentences below them.

harsh    multicellular    organism    single    specialization    unicellular

### Section 3: The Organization of Living Things (p.128)

1. Anything that can perform life processes by itself is an \_\_\_\_\_ .
- \_\_\_\_\_ 2. What are the two types of organisms called?
- a. old organisms and new organisms
  - b. large organisms and small organisms
  - c. living organisms and nonliving organisms
  - d. unicellular organisms and multicellular organisms

### Unicellular Organisms (p.128)

3. How many horns does a *unicorn* have? \_\_\_\_\_ How many wheels does a *unicycle* have? \_\_\_\_\_ So, if something is *unicellular*, how many cells must it have? \_\_\_\_\_
4. Organisms that are made of one cell are called \_\_\_\_\_ organisms.
5. A unicellular organism can live even when conditions are \_\_\_\_\_ .

### Multicellular Organisms (p.128)

6. Organisms that are made of many cells are called \_\_\_\_\_ .
7. Even though a multicellular organism is made of many cells, it starts as a \_\_\_\_\_ cell.
- \_\_\_\_\_ 8. In multicellular organisms, what happens as a single cell becomes many cells?
- a. Cells become disorganized.
  - b. Cells become larger.
  - c. Cells become smaller.
  - d. Cells become differentiated.
- \_\_\_\_\_ 9. What does it mean when cells become differentiated?
- a. every cell can do everything
  - b. no cell can do anything
  - c. different cells do different things
  - d. all cells grow and divide



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### The Characteristics of Being Multicellular (p.129)

- \_\_\_\_\_ 10. How do multicellular organisms become larger?
- a. by making their cells larger
  - b. by making more small cells
  - c. by connecting to other organisms
  - d. by living in a larger group
- \_\_\_\_\_ 11. What happens to a unicellular organism if its cell dies?
- a. The organism dies.
  - b. The organism lives.
  - c. The organism grows.
  - d. The organism shrinks.
- \_\_\_\_\_ 12. What happens to a multicellular organism if one cell dies?
- a. The organism dies.
  - b. The organism lives.
  - c. The organism grows.
  - d. The organism shrinks.
13. Because of \_\_\_\_\_, a multicellular organism is more efficient than a unicellular organism.
- \_\_\_\_\_ 14. How is having specialized cells like having an assembly line in a factory?
- a. Each job takes a long time.
  - b. No job takes very long.
  - c. More things are done in less time.
  - d. Nothing is done on time.