

## 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.

#### 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. The single cell of a unicellular organism does \_\_\_\_\_ of the things the organism needs to do to stay alive.
6. Unicellular organisms can live in more places than multicellular organisms (True / False) \_\_\_\_\_

#### Multicellular Organisms (p.128)

7. Organisms that are made of many cells are called \_\_\_\_\_ .
8. Even though a multicellular organism is made of many cells, it starts as a \_\_\_\_\_ cell.
- \_\_\_\_\_ 9. 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.
10. If an organism's cells are differentiated, it means they have cells of \_\_\_\_\_ types.

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

- \_\_\_\_\_ 11. 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
12. If the cell of a *unicellular* organism cell dies, the organism \_\_\_\_\_ .
13. If a cell of a *multicellular* organism dies, the organism will continue to \_\_\_\_\_ .
14. Because of \_\_\_\_\_, a multicellular organism is more efficient than a unicellular organism.
- \_\_\_\_\_ 15. 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.



COOLCLIPS.COM