

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.

all dies different live 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. 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.



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