

1-3 Studying Life

1. What does the word biology mean?

2. List the 8 characteristics of living things (see page 16):



3. Circle the letter of each sentence that is TRUE about cells.

- a. A cell is the smallest unit of an organism that is considered alive.
- b. A multicellular organism may contain trillions of cells.
- c. A living thing that consists of a single cell is a multicellular organism.
- d. Organisms are made up of cells.

4. A type of asexual reproduction where a portion of the organism splits off to form a new organism is called _____.

5. What is metabolism? _____

6. Plants, some bacteria, and most algae obtain their energy directly from _____.

7. A _____ is a signal to which an organism responds.

8. Give 2 examples of external stimuli: _____.

9. The process by which organisms maintain constant internal conditions is referred to as _____.

10. _____ is any change in a kind of organism over time.

(Some) BRANCHES OF BIOLOGY:

11. A biologist who studies animals is called a _____.

12. A plant biologist is referred to as a _____.

13. Someone who studies ancient life is a _____.

Levels of Organization: (see figure 1-21)

14. The smallest functional unit of life is the _____.

15. Groups of cells working together form { molecules or tissues } circle one

16. _____ community and its nonliving surroundings.

17. An _____ is an individual living thing.

18. The _____ is the part of Earth that contains all ecosystems.

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