

What Is Life?

Understanding Main Ideas

Answer the following questions on a separate sheet of paper.

1. What are six characteristics all living things share?
2. How did Redi's experiment help disprove the idea of spontaneous generation?
3. What are the four basic needs all living things must satisfy?
4. Describe the difference between growth and development.

Building Vocabulary

From the list below, choose the term that best completes each sentence.

autotrophs	manipulated variable	cell
unicellular	heterotrophs	organisms
spontaneous generation	multicellular	stimulus
response	homeostasis	reproduce

5. A change in an organism's environment that causes the organism to react is called a(n) _____.
6. Organisms that make their own food are _____.
7. _____ organisms are composed of many cells.
8. _____ is the mistaken idea that living organisms arise from nonliving sources.
9. Living things are also called _____.
10. The _____ is the basic unit of structure in an organism.
11. Organisms that get energy by consuming other organisms are _____.
12. An organism reacts to a stimulus with a(n) _____.
13. A controlled experiment is conducted by performing two tests that are identical except for one factor called the _____.
14. An organism's ability to maintain stable internal conditions is called _____.
15. To _____ is to produce offspring that are similar to the parents.
16. Bacteria, the most numerous organisms on Earth, are _____ organisms.