

Chapter ONE Study Guide Worksheet

Section 1.1: Introduction to Biology

Vocabulary: biology, organism, organization, growth, development, reproduction, species, stimulus, response, homeostasis, adaptation

Use the workbook and/or textbook to help you write the correct vocabulary term in each blank.

Word Bank

- ADAPTATION
- BIOLOGY
- DEVELOPMENT
- GROWTH
- HOMEOSTASIS
- ORGANISM
- ORGANIZATION
- REPRODUCTION
- RESPONSE
- SPECIES
- STIMULUS

_____ is the science of life. A(n) _____ is anything that has all the characteristics of life. All living things are arranged in an orderly way. In other words, living things have _____. Most living things begin as one cell. The addition of mass is called _____. Over an organism's life, natural changes, called _____, take place. The production of offspring, or _____, must occur to enable the group of breeding organisms, or _____, to continue to exist. A living thing also has the ability to react to a(n) _____ from its internal or external environment. The reaction is called a _____. An organism must be able to maintain its internal conditions. If anything upsets its normal state, processes to restore _____ begin. Any inherited characteristic, or _____, developed in a species over time can enhance the species' ability to survive and produce offspring in its environment.

In each of the eight boxes below, describe one of the characteristics of life.

CHARACTERISTICS OF LIFE

1.

2.

3.

4.

5.

6.

7.

8.

EXPLAIN why it is impossible to study one living thing without studying other living things.

SEQUENCE the levels of organization listed below in the correct order from least complex to most complex using the following terms: organ, cell, tissue, atoms and molecules, organ system.

