

# Chapter 2

## Principles of Ecology

### Reinforcement and Study Guide

#### Section 2.1 Organisms and Their Environment

*In your textbook, read about what ecology is and about aspects of ecological study.*

Use each of the terms below just once to complete the passage.

ecology  
humans

biotic factors  
organisms

nonliving  
soil

environments  
biosphere

atmosphere  
abiotic factors

Living organisms in our world are connected to other **(1)** \_\_\_\_\_ in a variety of ways. The branch of biology called **(2)** \_\_\_\_\_ is the scientific study of interactions between organisms and their **(3)** \_\_\_\_\_, including relationships between living and **(4)** \_\_\_\_\_ things.

All living things on Earth can be found in the **(5)** \_\_\_\_\_, the portion of Earth that supports life. It extends from high in the **(6)** \_\_\_\_\_ to the bottom of the oceans. Many different environments can be found in the biosphere. All living organisms found in an environment are called **(7)** \_\_\_\_\_. Nonliving parts of an environment are called **(8)** \_\_\_\_\_. For example, whales, trees, and **(9)** \_\_\_\_\_ are biotic factors. Ocean currents, temperature, and **(10)** \_\_\_\_\_ are abiotic factors.

*In your textbook, read about levels of organization in ecology.*

For each item in Column A, write the letter of the matching item in Column B.

#### Column A

- \_\_\_\_\_ **11.** A group of organisms of one species that interbreed and live in the same place at the same time
- \_\_\_\_\_ **12.** A collection of interacting populations
- \_\_\_\_\_ **13.** Interacting populations and abiotic factors in a community
- \_\_\_\_\_ **14.** Increases when resources are scarce
- \_\_\_\_\_ **15.** A terrestrial ecosystem

#### Column B

- a.** community
- b.** competition
- c.** forest
- d.** population
- e.** ecosystem

# Study Guide Principles Of Ecology Answer Key

**Henslin**



## **Study Guide Principles Of Ecology Answer Key:**

**Teacher's Study Guide on the Biology of Human Populations** Unesco,1975 Factual and conceptual information dealing with the biology of human populations is offered in this guide for secondary science teachers Instructional approaches are reviewed and suggestions are offered for use of the problem method approach the discussion technique and the project option Information is organized into an introduction and five parts The introduction described adaption possibilities and highlights basic ecological concepts and principles The five parts focus on 1 evolution of human populations addressing the topics of genetics and evolution 2 environment of human populations synthesizing information on energy atmosphere water soils biota oceans nutrition diseases and mineral resources 3 dynamics of human populations identifying demographic parameters and population patterns 4 reproduction in human populations containing materials on human reproduction and sexual behavior and 5 design for survival discussing ecosystem management and control of environmental quality fertility regulation and humanity s future Lists of reference readings are included after each of the parts ML

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