

3

The Biosphere

Chapter Test A

Multiple Choice

Write the letter that best answers the question or completes the statement on the line provided.

- _____ 1. The lowest level of environmental complexity that includes living and nonliving factors is the
- a. biome
 - b. community
 - c. ecosystem
 - d. biosphere
- _____ 2. Which ecological inquiry method is an ecologist using when he or she enters an area periodically to count the population numbers of a certain species?
- a. questioning
 - b. observing
 - c. experimenting
 - d. modeling
- _____ 3. A mathematical formula designed to predict population fluctuations in a community could be called a(n)
- a. biological experiment
 - b. biological system
 - c. ecological model
 - d. ecological observation
- _____ 4. How do most primary producers make their own food?
- a. by using light energy to make carbohydrates
 - b. by using chemical energy to make carbohydrates
 - c. by changing water into carbon dioxide
 - d. by breaking down remains to make carbon dioxide
- _____ 5. Compared to land, the open oceans
- a. have less zooplankton
 - b. contain unlimited nitrogen
 - c. are nutrient-poor environments
 - d. are rich in silica and iron
- _____ 6. All the interconnected feeding relationships in an ecosystem make up a food
- a. interaction
 - b. chain
 - c. network
 - d. web
- _____ 7. The total amount of living tissue within a given trophic level is called the
- a. organic mass
 - b. trophic mass
 - c. energy mass
 - d. biomass
- _____ 8. What animals eat both producers and consumers?
- a. herbivores
 - b. omnivores
 - c. chemotrophs
 - d. autotrophs
- _____ 9. A bird stalks, kills, and then eats an insect. Based on its behavior, which pair of ecological terms describes the bird?
- a. herbivore, decomposer
 - b. producer, heterotroph
 - c. carnivore, consumer
 - d. autotroph, herbivore

Chapter 3 The Biosphere Answer Key

**Thirumalaisamy P.
Velavancorresponding**



Chapter 3 The Biosphere Answer Key:

Chapter 3 The Biosphere Answer Key Book Review: Unveiling the Magic of Language

In an electronic digital era where connections and knowledge reign supreme, the enchanting power of language has become more apparent than ever. Its capability to stir emotions, provoke thought, and instigate transformation is truly remarkable. This extraordinary book, aptly titled "**Chapter 3 The Biosphere Answer Key**," written by a highly acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound effect on our existence. Throughout this critique, we will delve into the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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