

Biology Chapter 3 Test**Multiple Choice**

Identify the choice that best completes the statement or answers the question.

- _____ 1. Which of the following descriptions about the organization of an ecosystem is correct?
- Species make up communities, which make up populations.
 - Species are grouped in populations, which make up communities.
 - Communities make up species, which make up populations.
 - Populations make up species, which make up communities.
- _____ 2. The simplest grouping of more than one kind of organism in the biosphere is a(an)
- species.
 - population.
 - community.
 - ecosystem.
- _____ 3. 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?
- modeling
 - questioning
 - observing
 - experimenting



Figure 3-1

- _____ 4. The algae at the beginning of the food chain in Figure 3-1 are
- heterotrophs.
 - producers.
 - consumers.
 - decomposers.
- _____ 5. An organism that uses energy to produce its own food supply from inorganic compounds is called a(an)
- detritivore.
 - consumer.
 - heterotroph.
 - autotroph.
- _____ 6. Which of the following organisms does NOT require sunlight to live?
- chemosynthetic bacteria
 - photosynthetic bacteria
 - algae
 - trees
- _____ 7. The total amount of living tissue within a given trophic level is called the
- biomass.
 - organic mass.
 - energy mass.
 - trophic mass.
- _____ 8. What animals eat both producers and consumers?
- omnivores
 - autotrophs
 - chemotrophs
 - herbivores

Holt Biology Ecosystems Chapter Test

RJ Alexander



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