

**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

# Ap Biology Chapter 3 Test

**Mark Anestis**



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web the control circuit is based on a cmos inverter ic1 type 40106 the motor is switched by a darlington with discrete components t1 t2 ic1a inverter operates as an oscillator whose duty cycle the t2 leads so the motor receives energy is determined by r2 c2 d3 gave the inactive signal oscillator when t2 is blocked is determined by r3 p1

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web the diagram below has two components the normally open temperature switch and the magnetic contactor the three normally closed contacts that represent the olr protection are connected in series with the motor coil and so can be treated as a single device in practice a motor starter often only has two external connection points and all internal

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