In the space provided, write the letter of the term or phrase that best completes each statement or best answers each question.

a. cellular respiration
b. decomposer
c. autotroph
d. consumer
e. photosynthesis
f. food web

_____ 1. an organism that makes its own food

_____ 2. the process of breaking down food to yield energy

_____ 3. organisms that get their energy by eating other organisms

_____ 4. the process in which plants make sugar molecules from sunlight

_____ 5. consumers that get their food by breaking down dead organisms

_____ 6. the many feeding relationships possible in an ecosystem

_____ 7. Which kind of organism obtains energy directly from the sun?
a. decomposers
b. herbivores
c. omnivores
d. producers

_____ 8. If an insect eats a plant and a bird eats the insect, about how much energy from the plant is stored in the insect for the bird to use?
a. 90 percent
b. 50 percent
c. 10 percent
d. 1 percent

___ 9.What is the ultimate source of energy for almost all organisms except those living deep in the ocean near a thermal vent?
a. producers
b. consumers
c. the sun
d. bacteria

_____ 10. Which of these consumers might depend on a rabbit for its energy?
a. grasshopper
b. coyote
c. cow
d. horse

_____ 11. A consumer that eats only producers is called a(n)
a. omnivore
b. carnivore
c. autotroph
d. herbivore

_____ 12. What term is used to describe a linear sequence in which energy is transmitted from one organism to the next as each organism eats another organism?
a. food web
b. food chain
c. trophic level
d. energy pyramid

_____ 13.The trait that increases an organism's chance of survival is _____.
a. natural selection
b. adaptation
c. evolution
d. artificial select

_____ 14. Which organism would occupy the level on an energy pyramid with the most energy?
a. bobcat
b. bird
c. grasshopper
d. carrot

_____ 15. Which of the following describes soil and temperature in an ecosystem?
a. abiotic factors
b. biotic factors
c. unnecessary factors
d. selection factors