

# Test: Relationships between Organisms and Their Environment

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## Part I: Matching

### Column A

- \_\_\_\_ 1. Habitat
- \_\_\_\_ 2. Ecosystem
- \_\_\_\_ 3. Producer
- \_\_\_\_ 4. Consumer
- \_\_\_\_ 5. Decomposer
- \_\_\_\_ 6. Population
- \_\_\_\_ 7. Community
- \_\_\_\_ 8. Competition
- \_\_\_\_ 9. Predator
- \_\_\_\_ 10. Prey

### Column B

- A. An organism that hunts and eats other organisms
  - B. A group of the same species living in one area
  - C. Organisms that break down dead plants and animals
  - D. The natural home where an organism lives
  - E. An organism that is hunted by another organism
  - F. All living and nonliving things interacting in an area
  - G. An organism that makes its own food
  - H. Different populations living together in one area
  - I. An organism that obtains energy by eating other organisms
  - J. The struggle among organisms for limited resources
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## Part II: Multiple Choice

- 11. What is the primary source of energy for most ecosystems?
  - A. Water
  - B. Soil
  - C. Sun
  - D. Wind
- 12. Which of the following is a producer?
  - A. Rabbit
  - B. Oak tree
  - C. Hawk
  - D. Mushroom
- 13. What is an example of a consumer?
  - A. Grass
  - B. Algae
  - C. Deer
  - D. Fern
- 14. Which organism is most likely a decomposer?
  - A. Mushroom
  - B. Eagle
  - C. Fish
  - D. Squirrel
- 15. A group of different species living in the same area is called a:
  - A. Population
  - B. Community
  - C. Habitat
  - D. Organism
- 16. When two animals compete for the same food source, this relationship is called:
  - A. Predation
  - B. Competition
  - C. Mutualism
  - D. Commensalism
- 17. In a predator-prey relationship, the predator:
  - A. Provides shelter
  - B. Is hunted
  - C. Hunts another organism
  - D. Produces its own food
- 18. Which is a biotic factor in an ecosystem?
  - A. Water
  - B. Sunlight
  - C. Temperature
  - D. Trees

19. Which is an abiotic factor in an ecosystem?
- A. Birds
  - B. Grass
  - C. Rainfall
  - D. Bacteria
20. What type of relationship benefits both organisms?
- A. Mutualism
  - B. Competition
  - C. Predation
  - D. Parasitism
21. A tick feeding on a dog is an example of:
- A. Mutualism
  - B. Commensalism
  - C. Parasitism
  - D. Competition
22. In commensalism:
- A. Both organisms benefit
  - B. One benefits and the other is unaffected
  - C. Both are harmed
  - D. One organism is killed
23. What would most likely happen if all decomposers disappeared from an ecosystem?
- A. Dead organisms would accumulate
  - B. Producers would increase rapidly
  - C. Predators would disappear immediately
  - D. There would be more sunlight
24. Which statement best describes an ecosystem?
- A. Only living organisms in an area
  - B. Only nonliving things in an area
  - C. Living and nonliving things interacting together
  - D. A single species living in an area
25. Why are producers important in ecosystems?
- A. They hunt prey.
  - B. They recycle nutrients.
  - C. They make food that supports other organisms.
  - D. They decompose dead matter.
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