

Test: Relationships between Organisms and Their Environment

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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