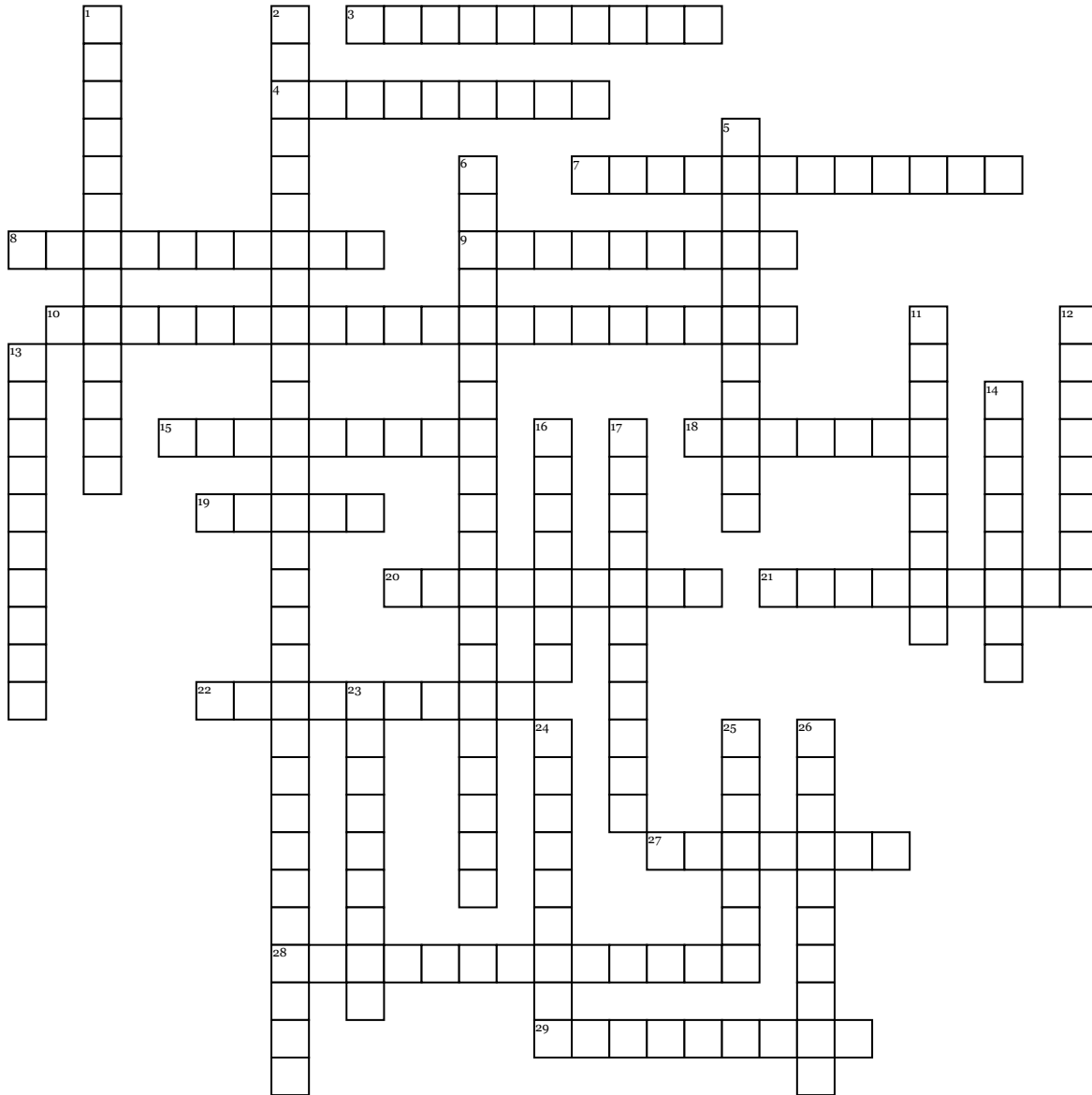


# Ecology Crossword Puzzle



**Across**

- 3. This "effect" captures just enough solar energy making life possible on the planet
- 4. Relationship in which two organisms co-exist and both benefit from each other
- 7. Relationship in which two species co-exist, but while one species benefits, the other species is not harmed or benefited
- 8. Group of organisms of one species that interbreed and live in a defined area
- 9. Organism that feeds on other organisms that have already died
- 10. A predictable series of changes in the vegetative community over time
- 15. A type of "curve" that helps scientists understand the density of individuals based on an environmental variable
- 18. More complex model that expresses multiple feeding relationships and energy relationships in a community
- 19. Functional role of an organism; includes all biotic and abiotic interactions as an organism meets its need for survival and production
- 20. Organism that generates their own nutrients (food) using either sunlight or other chemicals to trigger a chemical conversion
- 21. A term describing an organism that only eats primary producers

- 22. Simple model that shows the path matter and energy move through an ecosystem; a simplified version consist of only three steps
  - 27. Scientific study of interactions among and between organisms and their physical environment
  - 28. Competition between two individuals of different species
  - 29. Lowest level of hierarchy that includes living and nonliving things
- Down**
- 1. Competition between two individuals of the same species
  - 2. No two species can occupy the same ecological niche for long
  - 5. Organisms that cannot generate their own nutrients (food) and must feed on other organisms for energy and nutrients
  - 6. Utilization of different resources in the same habitat by different species; e.g., day vs. night, different spots in a tree
  - 11. Relationship where two species co-exist with at least one being dependent on the other
  - 12. A "species" that plays a critical role in a community regardless of population size
  - 13. Relationship in which one organism benefits at the expense of the other species, but the other species is not immediately killed

- 14. A term describing an organism that eats both producers and consumers
- 16. The environment where an organism lives
- 17. Predator and prey adaptations as a result of natural selection
- 23. Level of hierarchy that includes several interacting populations and the dynamics associated with these interactions
- 24. Highest level of hierarchy that includes all of life; extends from the atmosphere to the bottom of the oceans
- 25. Nonliving "factor" of an organism's environment; e.g., temperature, light, and soil
- 26. Organisms, such as fungi, that break down and absorb nutrients from dead organisms