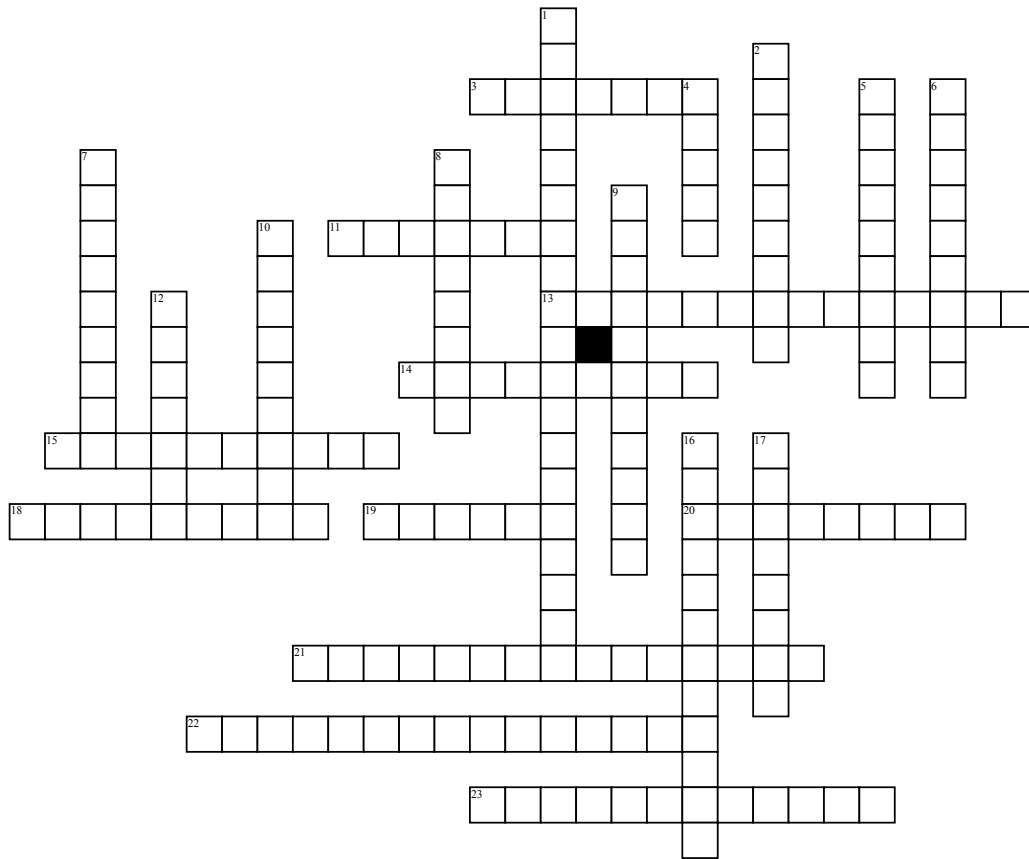


Name: \_\_\_\_\_ Date: \_\_\_\_\_

# Principles of Ecology



## Across

3. Model that shows a complex network of feeding relationships with an ecosystem  
 11. nonliving factors in an ecosystem (examples: moisture, temperature, wind, sunlight, soil, and minerals)  
 13. diagram that compares energy used by producers, primary consumers and other trophic levels  
 14. organism that eats dead organic matter  
 15. detritivore that breaks down organic matter into smaller compounds, returning nutrients back into the ecosystems. (  
 18. collection of living and nonliving things in an area  
 19. living things, such as plants, animals, fungi, bacteria

20. organism that eats both plants and animals  
 21. organism that has an unusually large effect on the ecosystem  
 22. pathway of water from the atmosphere to earth's surface, below ground, and back  
 23. variety of life within an area

## Down

1. Movement of a chemical through the living and nonliving parts of an ecosystem  
 2. organism that obtains its energy from abiotic sources-also called producer  
 4. region of organisms characterized by the climate conditions and plant communities that thrive there  
 5. Model linking organisms by their feeding relationships

6. collection of all the different populations living in one area  
 7. Organism that only eats plants  
 8. organism that obtains its energy from abiotic sources, such as sunlight or inorganic chemicals  
 9. organism that obtains its energy and nutrients by consuming other organisms-also called a consumer  
 10. Organism that obtains energy by only eating animals  
 12. Study of the interactions among living things and their surroundings  
 16. level of nourishment in a food chain  
 17. organism that obtains its energy and nutrients by eating other organisms

## Word Bank

decomposer	heterotroph	biotic	food web	ecology
carnivore	Energy Pyramids	trophic level	abiotic	producer
biome	Herbivore	ecosystem	Autotroph	omnivore
Hydrologic cycle	food chain	community	biogeochemical cycle	Keystone species
detritivore	biodiversity	consumer		