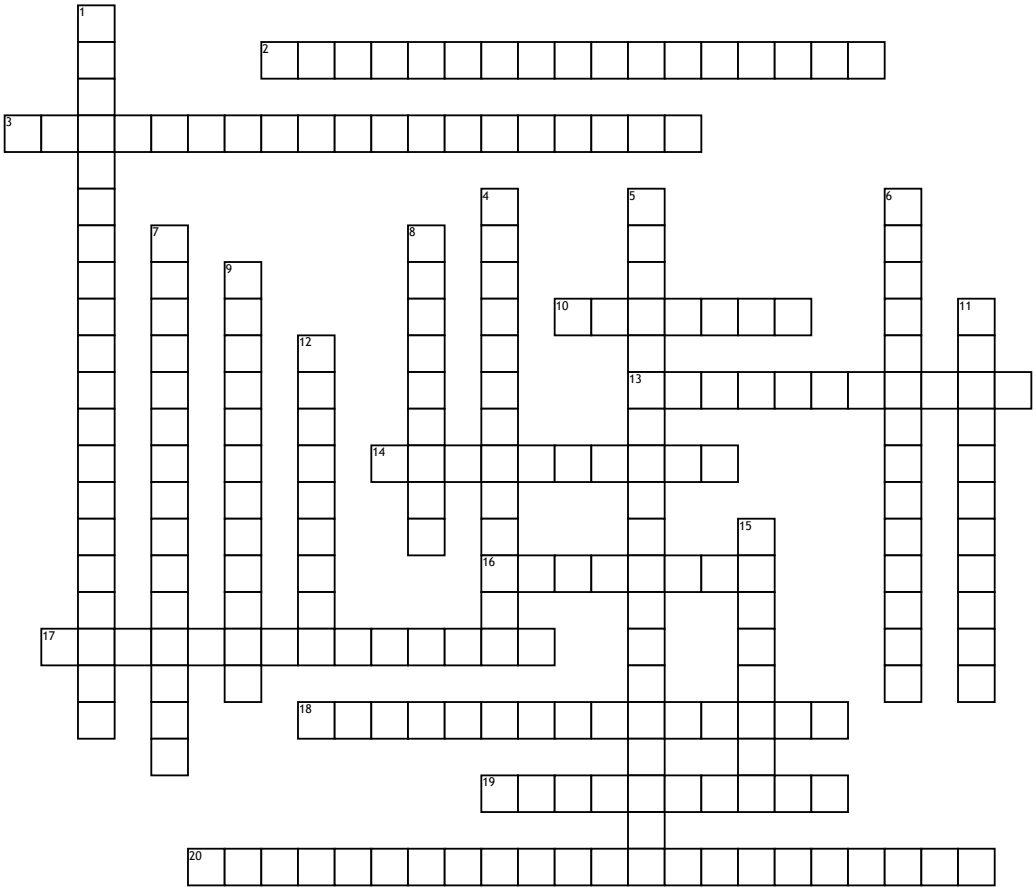
Name: _____ Date: _____ Period: _____

Energy Transfer



Across

2. the type of succession that occurs on a surface where no ecosystem existed before; such as rocks or sand dunes

3. the process of breaking down food to yield energy

10. A diagram that shows the feeding relationships between organisms in an organism

13. Breaks down dead organisms in an ecosystem and returns nutrients to the soil, water, and air

14. Consumers that only eat other consumers

16. Gets energy by eating other organism

17. a species the colonizes an uninhabited area and that starts an ecological cycle in which many other species become established

18. The movement of phosphorus from the environment to organisms and then back to the environment

19. Consumers that only eat producers

20. The only organisms that can fix atmospheric nitrogen into chemical compounds are a a few species of bacteria

Down

1. a gradual process of change and replacement of some or all of the species in an community

4. the process in which nitrogen circulates among the air, soil, water, plants, animals in an ecosystem

5. the more common type of succession, occurs on a surface where an ecosystem has previously existed

6. Energy from the sun enters an ecosystem when a plant uses sunlight to make sugar molecules

7. a final, stable community in equilibrium with the environment

8. a sequence in which energy is transferred from one organism to the next as each organism eats another organism

9. One of the steps in a food chain or food pyramid

11. A process by which carbon is cycled between the atmosphere, land, water, organism

12. consumers that eat both plants and animals

15. an organism that makes its own food

Word Bank

Carnivores
Herbivores
Ecological Succession
Consumer
Food Chain
Food web
Climax Community
Nitrogen cycle
Secondary Succession
Phosphorus Cycle
Carbon cycle
Producer
Photosynthesis
Trophic level
Decomposers
Nitrogen-fixing bacteria
omnivores
Primary Succession
Pioneer Species
Cellular Respiration