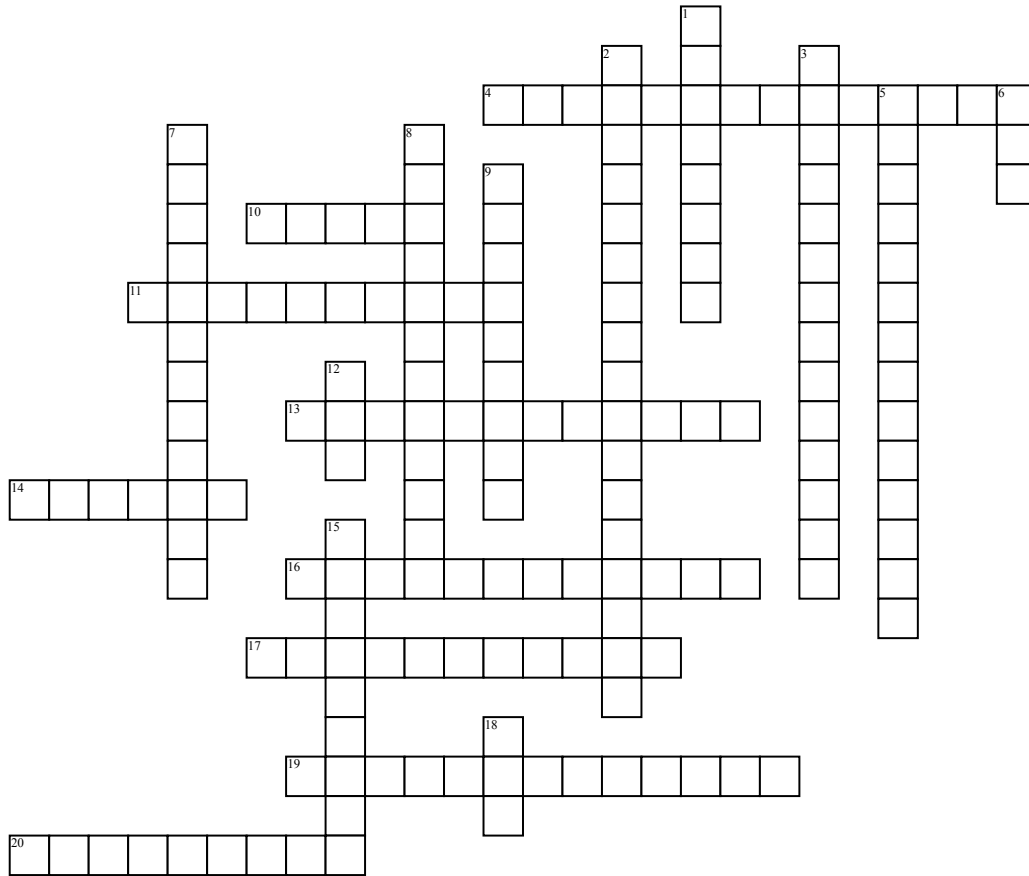


Name: _____

Date: _____

Ecosystems and Restoration Ecology



Across

4. The use of living organisms to detoxify ecosystems

10. Worldwide agriculture could feed many more people if humans ate only _____ material.

11. Primary consumers are also known as...

13. Consumers that derive their energy from detritus or nonliving organic matter

14. The primary physical phase in which water is used is

16. The law of _____ of mass states that matter cannot be created or destroyed

17. _____ ecology seeks to initiate or speed up the recovery of degraded ecosystems.

19. _____ connects all trophic levels

20. Autotrophs are also considered to be primary _____

Down

1. An element that must be added for production to increase in an area is called a _____ nutrient.

2. The amount of light energy converted to chemical energy by autotrophs during a given time period

3. Nutrient circuits in ecosystems involve biotic and abiotic components and are often called _____ cycles.

5. The first law of _____ states that energy cannot be created or destroyed, only transformed

6. _____ is GPP minus energy used by primary producers for respiration.

7. Biological _____ uses organisms to add essential materials to a degraded ecosystem.

8. Photosynthetic organisms convert CO₂ to organic molecules that are used by _____

9. All the organisms living in a community, as well as the abiotic factors with which they interact

12. A measure of total biomass accumulation during a given period

15. Carnivores are also considered to be secondary _____

18. Total primary production is known as the ecosystem's _____

Word Bank

bioremediation

limiting

Decomposition

plant

augmentation

Detritivores

Ecosystem

thermodynamics

conservation

consumers

Restoration

producers

heterotrophs

herbivores

liquid

NPP

GPP

NEP

Primary production

biogeochemical