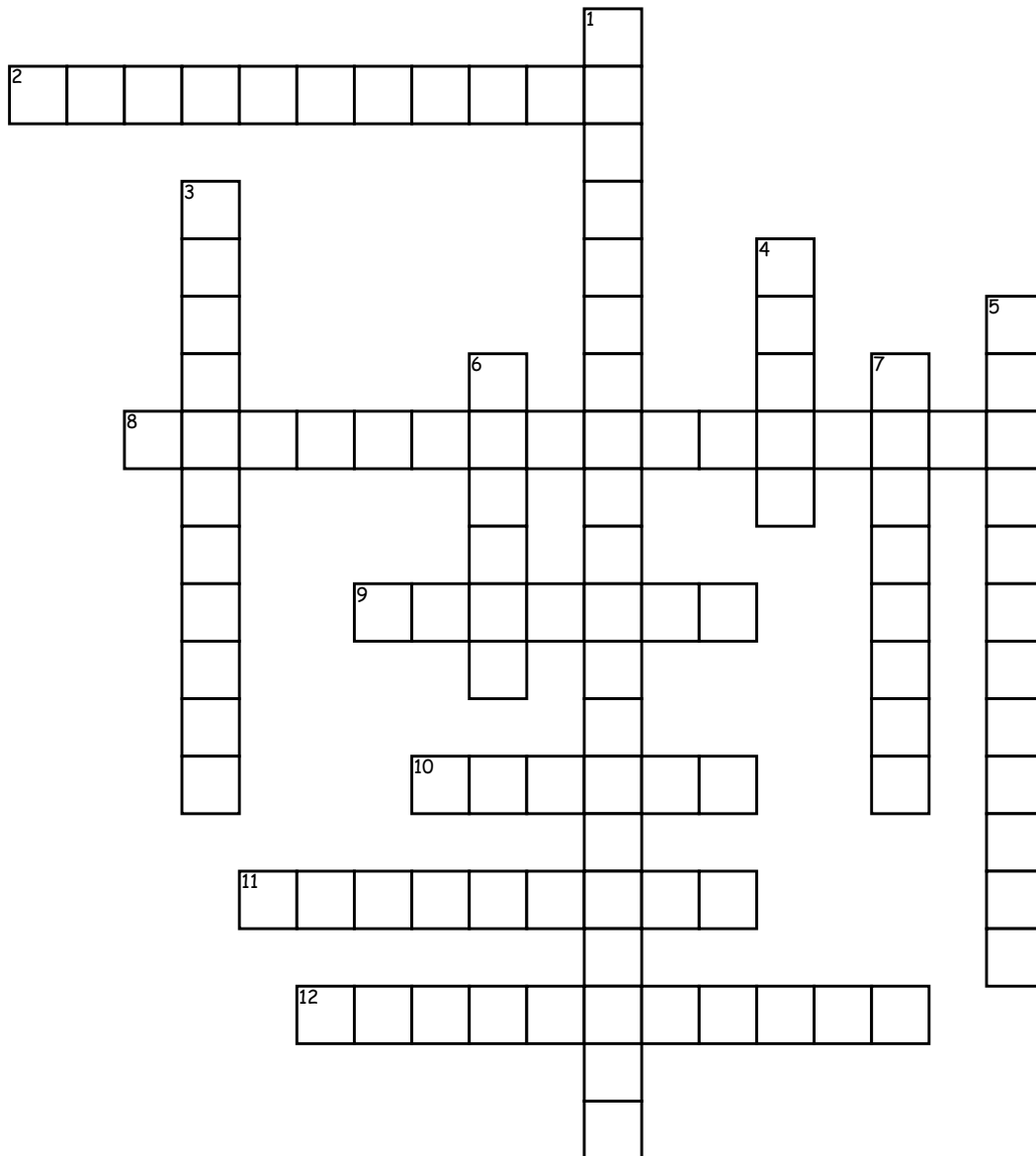


Name: _____

Microorganisms and nutrient cycling



Across

2. Farming.

8. The conversion of nitrogen in the air into nitrates.

9. An alkaline compound produced by decay bacteria during the process of decay.

10. An enzyme found in decay bacteria. It catalyses the conversion of urea into ammonia.

11. The living organisms together with the non-living components of their environment (for example soil, climate), interacting as a system.

12. To release energy from glucose with the use of oxygen. Carbon dioxide and water are waste products.

Down

1. Bacteria that return nitrates to the air.

3. Made from dead plants and animals from millions of years ago that we not completely decomposed.

4. The process by which dead bodies and waste products are broken down to restore nutrients to the soil.

5. The effect of high temperature on enzyme structure.

6. An organism that has nodules for nitrogen fixation on its roots

7. Fungi and bacteria.