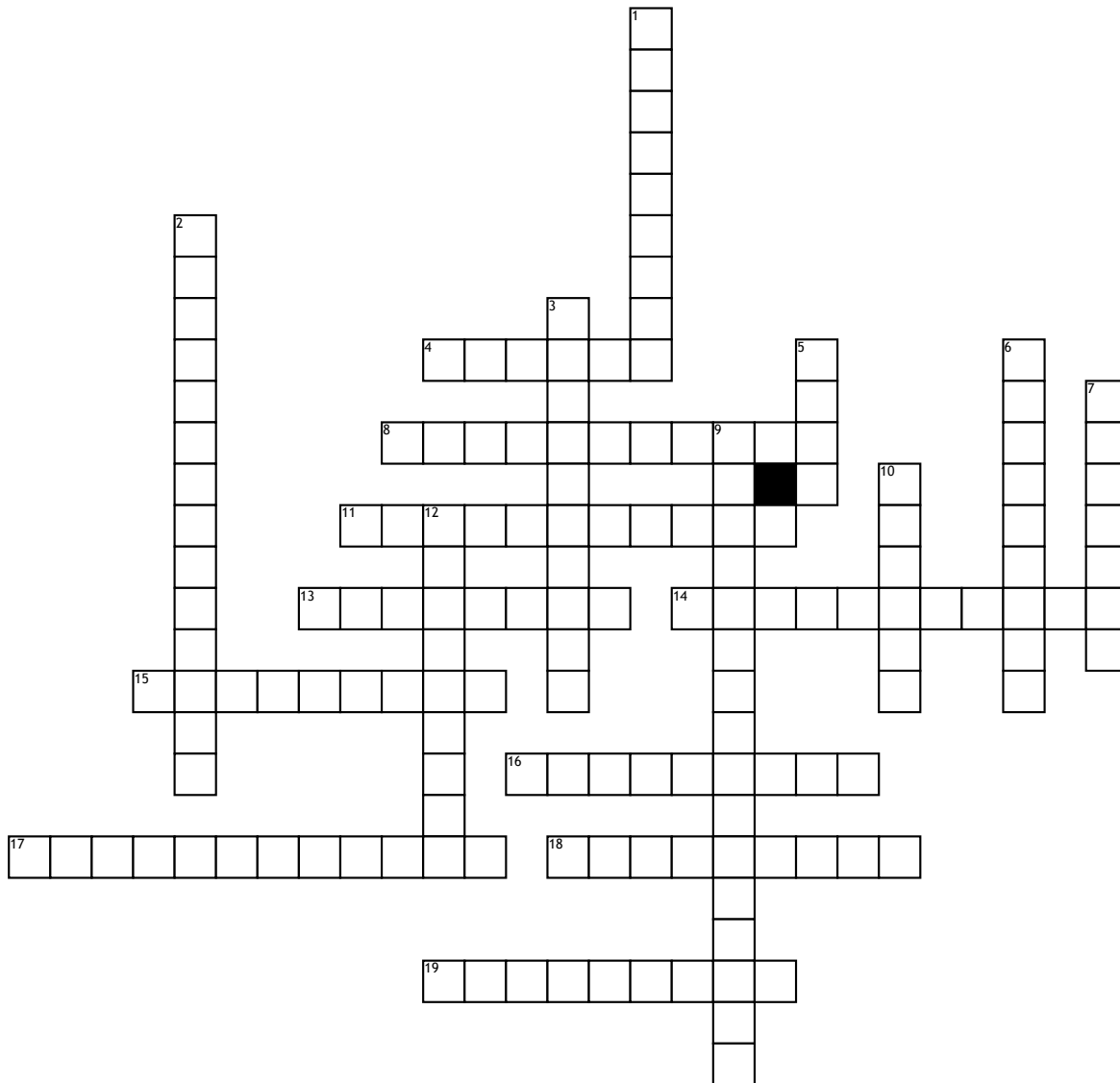


Earth as a System



Across

4. An organized group of related objects or components that interact to create a whole
 8. Process in which carbon moves through all four spheres
 11. Consumers that get energy by breaking down dead organisms
 13. Type of cycle that balances nitrogen in the atmosphere and biosphere
 14. The portion of the Earth that is water
 15. Contamination of the environment with harmful waste products or impurities
 16. Organisms that make their own food

17. Transfers of energy between Earth's spheres in which additions in energy are balanced by subtractions

18. Part of Earth where life exists; includes all of the living organisms on Earth

19. Place where matter or energy are stored

Down

1. A community of organisms and their abiotic environment

2. Name for the a slightly flattened sphere, which is actually the real shape of Earth

3. Blanket of gases surrounding Earth's surface

5. Type of system in which both energy and matter are exchanged with the surroundings

6. Organisms that get their energy by eating other organisms

7. A diagram that shows the feeding relationships among organisms in an ecosystem

9. The largest population that an environment can support at any given time

10. Type of system in which energy, but not matter, is exchanged with the surroundings

12. Type of material formed from shells and bones of once-living organisms