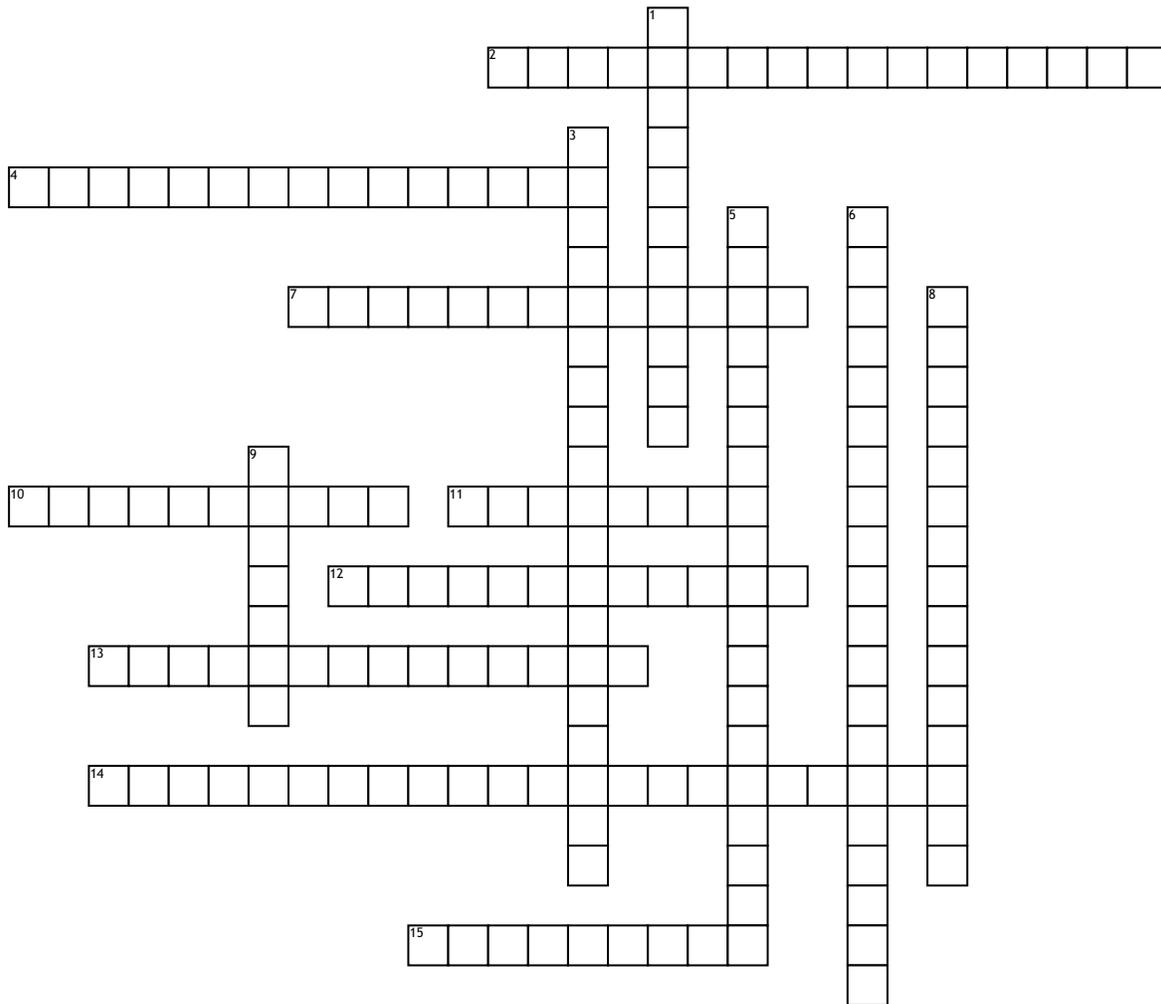


How Ecosystems Work



Across

- 2. the type of succession that occurs on a surface where no ecosystem existed before, such as on rocks or sand dunes
- 4. the movement of phosphorus from the environment to organisms and then back to the environment
- 7. a process in which nitrogen is cycled between the atmosphere, bacteria, and other organisms
- 10. consumers that get their food by breaking down dead organisms
- 11. organism that get their energy by eating other organisms
- 12. each step through which energy is transferred in a food chain

- 13. the first organism to colonize any newly available area and begin the process of ecological succession
- 14. bacteria that convert atmospheric nitrogen into ammonia
- 15. a sequence in which energy is transferred from one organism to the next as each organism eats another organism

Down

- 1. a process by which carbon is cycled between the atmosphere, land, water, and organisms
- 3. the more common type of succession; occurs on a surface where an ecosystem has previously existed

- 5. the process of breaking down food to yield energy
- 6. a gradual process of change and replacement of some or all of the species in a community
- 8. a final and stable community
- 9. shows many feeding relationships that are possible in an ecosystem