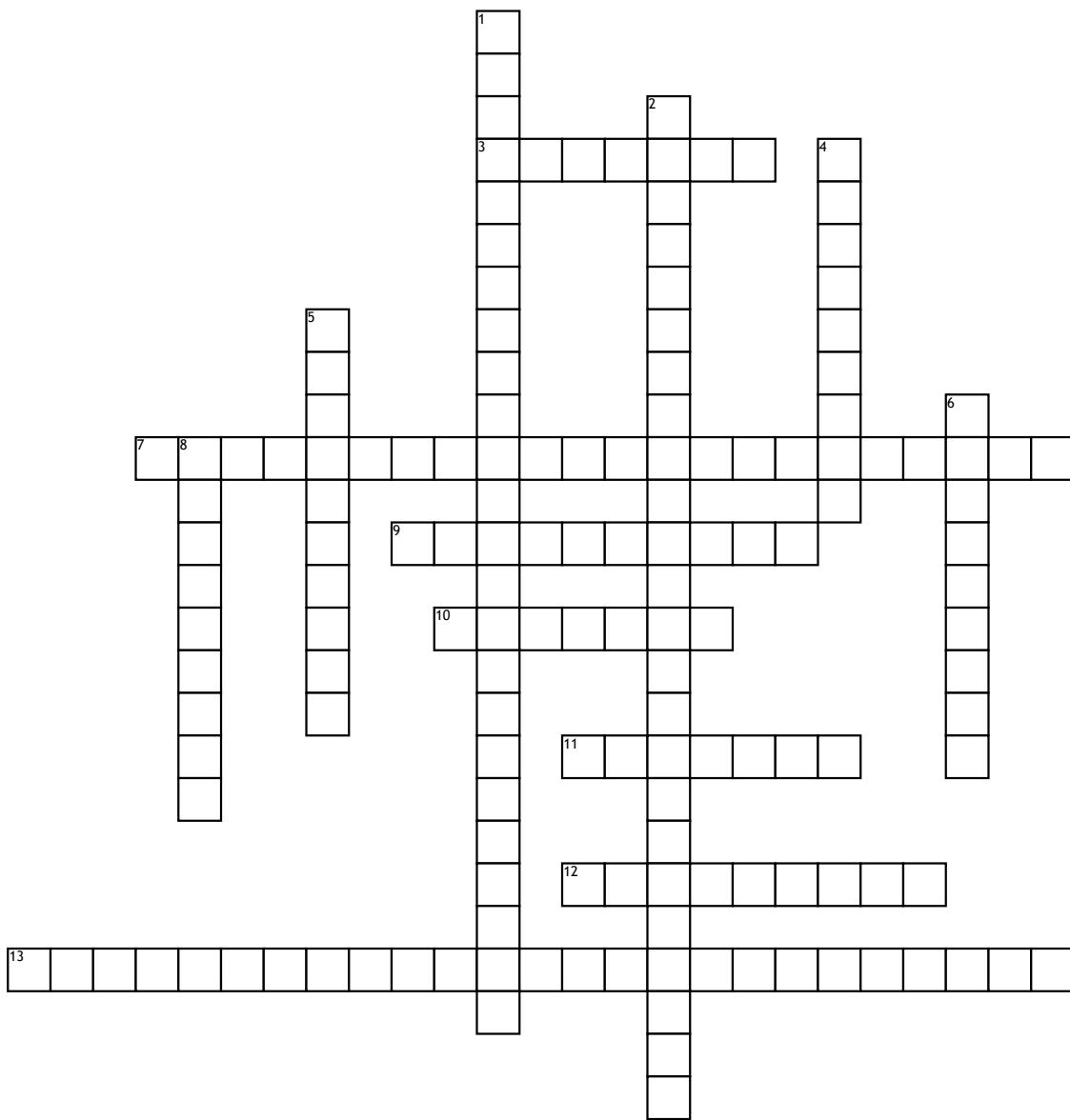


Ecosystems & Energy



Across

3. a group of similar organisms whose members freely interbreed with one another in the wild to produce fertile offspring; members of one species generally do not interbreed with other species of organisms.

7. productively after respiration losses are subtracted

9. a group of organisms of the same species that live in the same area at the same time

10. a representation of the interlocking food chains that connect all organisms in an ecosystem

11. the study of systems that include interactions among organisms and between organisms and their abiotic environment

12. a region that includes several interacting ecosystems

13. when energy is converted from one form to another, some of it is degraded into heat, a less usable form that disperses into the environment

Down

1. the total amount of photosynthetic energy that plants capture and assimilate in a given period

2. energy can not be created or destroyed, although it can change from one form to another

4. a natural association that consists of all the populations of different species that live and interact within an area at the same time

5. the passage of energy in a one-way direction through an ecosystem

6. the parts of Earth's atmosphere, ocean, land surface, and soil that contain all living organisms

8. a community and its physical environment