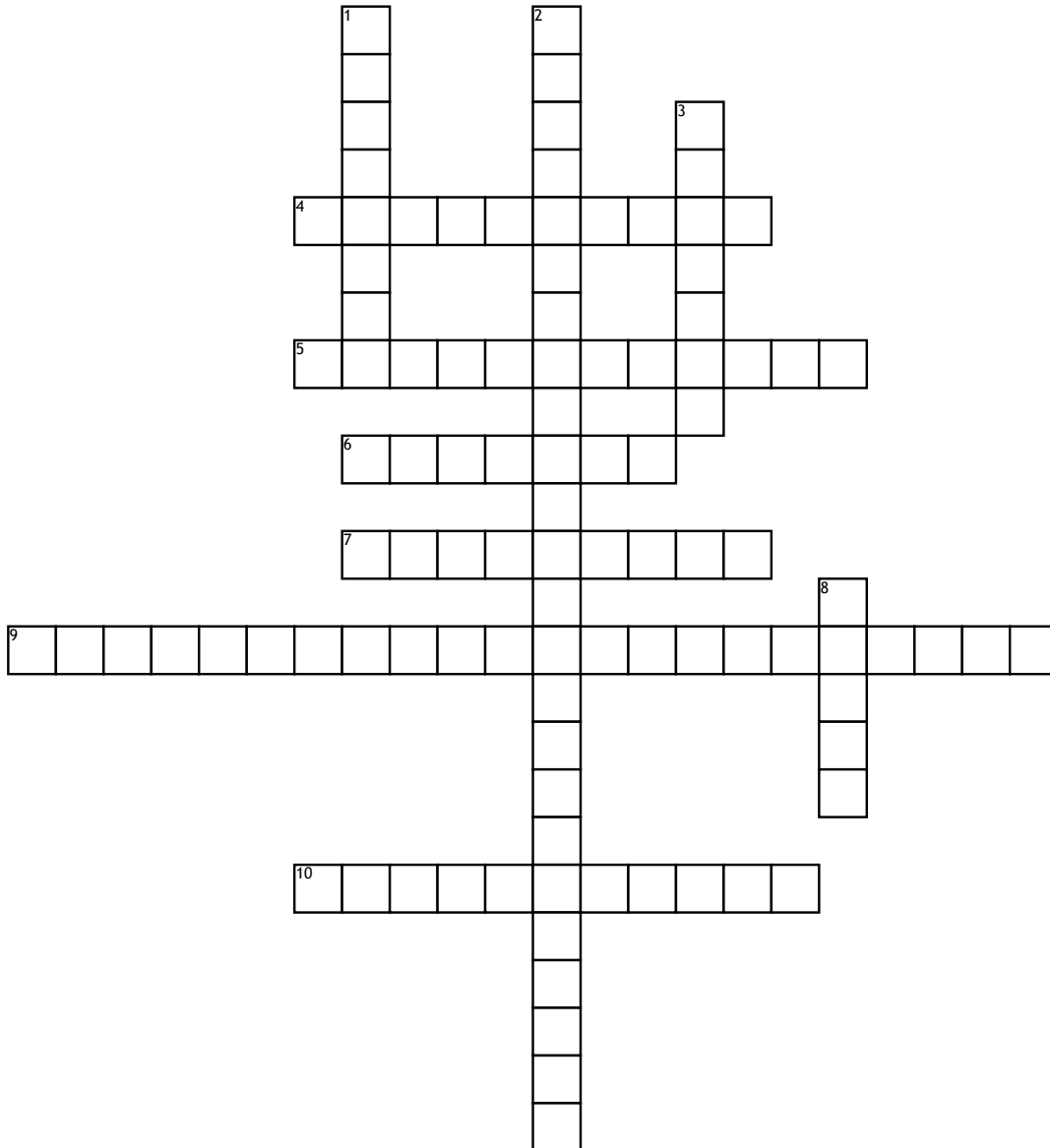


Energy Flow and Ecosystems



Across

- 4. The progressive changes in the structure and species composition in a community over time.
- 5. The feeding level within a food chain and shows the number of times that energy has been transferred to successive organisms along a food chain.
- 6. The mass of biological material in living or recently living organisms
- 7. A community in which energy and matter are transferred in complex interactions between the environment and organisms, involving biotic and abiotic elements.

- 9. the energy in the plant's biomass which is available to primary consumers after respiration
- 10. These feed on detritus and decompose remnants of dead organisms

Down

- 1. The autotrophic organism at the start of a food chain converts light energy to chemical energy.
- 2. the rate of production of chemical energy in organic molecules by photosynthesis in a given area in a given time
- 3. the first species to colonise a new area
- 8. The role and position a species has in its environment.