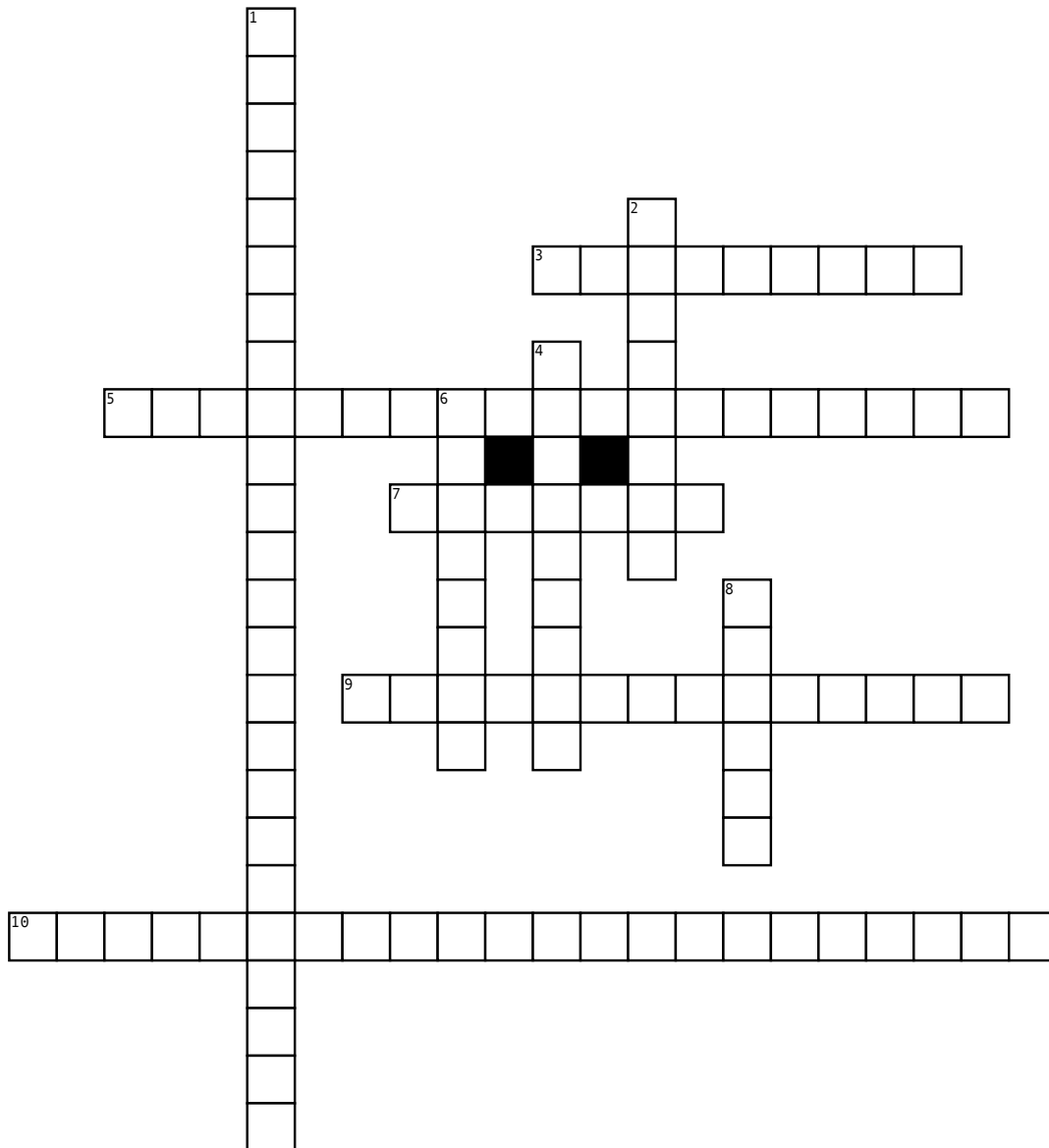


Primary Productivity



Across

- 3.** one or more communities of different species interacting with one another and with the chemical and physical factors of their nonliving environment
- 5.** the synthesis of organic compounds from atmospheric or aqueous carbon dioxide
- 7.** complex network of interconnected food chains
- 9.** change in the chemical composition of a substance
- 10.** the rate at which producers use photosynthesis to produce and store chemical energy.

Down

- 1.** the rate at which an ecosystem's producers convert radiant energy into chemical energy
- 2.** organisms that cannot produce their own food
- 4.** sequence of organisms in which each organism is a source of nutrient or energy for the next level of organisms
- 6.** organism such as a plant that makes the food it needs from compounds in soil, carbon dioxide, air and water by using the energy of sunlight
- 8.** capacity to do work