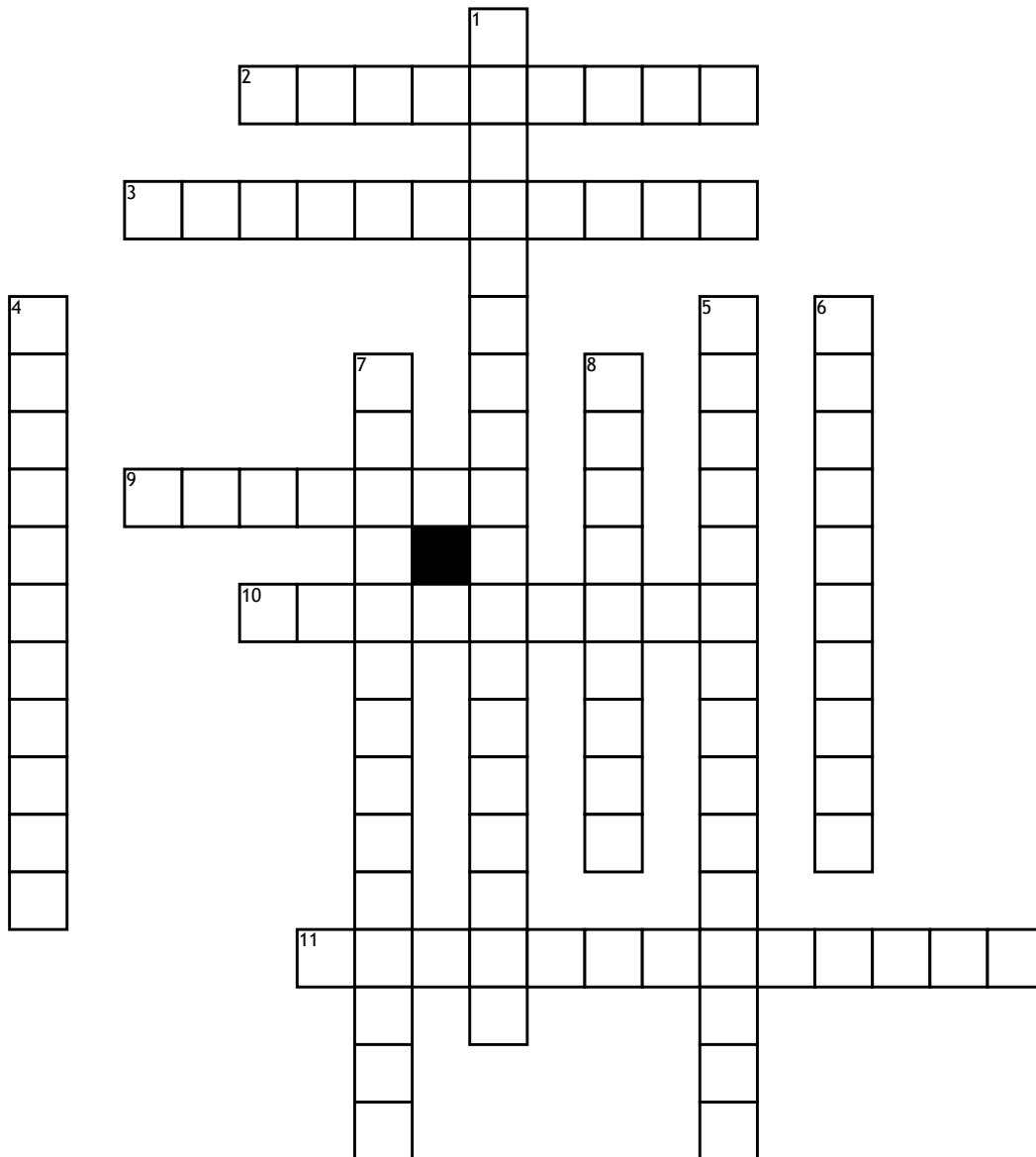


Name: _____

Date: _____

Carbon cycle



Across

- 2. A sequence showing how each animal in an ecosystem gets its food and the flow of energy and other nutrients from organism to organism
- 3. The set of chemical reactions that takes place inside the cells to produce energy, e.g. for growth or movement
- 9. A sugar found in plants, which is produced during photosynthesis and used as an energy source during cellular respiration
- 10. The region of the Earth where life exists and thrives, extending about 6 km above the oceans and about 10 km below it; the biosphere operates as a closed system that contains only a finite amount of matter available for life

- 11. The breaking down of plants and animals into simpler substances

Down

- 1. The exchange of carbon into and out of the ocean, mainly by absorbing/releasing carbon dioxide into the atmosphere
- 4. The remains of organic material (plants and animals) that over millions of years is compressed to form a source of energy, e.g. coal, gas, oil
- 5. An ecosystem found in saltwater, e.g. an ocean, estuary, mangrove or salt marsh
- 6. A layer of gas above the Earth's surface
- 7. The process plants use to turn light energy, water and carbon dioxide into glucose; oxygen is also produced as part of this process
- 8. The removal of waste products from an organism