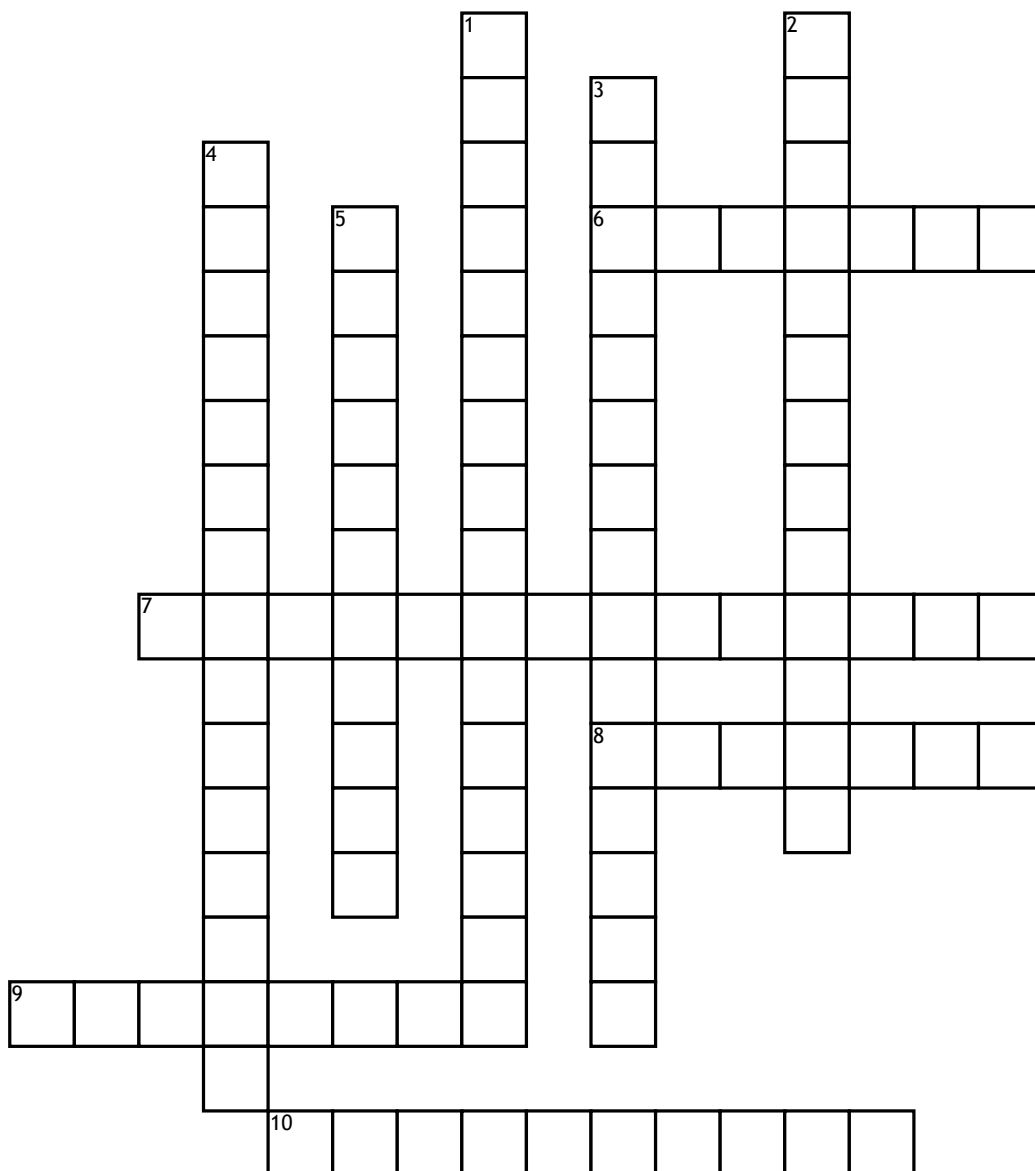


Name: _____

Date: _____

The Nitrogen Cycle



Across

- 6.** A salt or ester of nitric acid, containing the anion NO_3^- or the group $-\text{NO}_3$.
- 7.** Decomposition with production of ammonia or ammonium compounds especially by the action of bacteria on nitrogenous organic matter.
- 8.** A colorless gas with a characteristic pungent smell.
- 9.** 78 percent of the earth's atmosphere
- 10.** The envelope of gases surrounding the earth or another planet.

Down

- 1.** The chemical processes by which atmospheric nitrogen is assimilated into organic compounds, especially by certain microorganisms as part of the nitrogen cycle.
- 2.** The biological oxidation of ammonia or ammonium to nitrite followed by the oxidation of the nitrite to nitrate
- 3.** Reduction of nitrates or nitrites commonly by bacteria.
- 4.** Air that surrounds the planet Earth and is retained by Earth's gravity.
- 5.** An organism, especially a soil bacterium, fungus, or invertebrate, that decomposes organic material