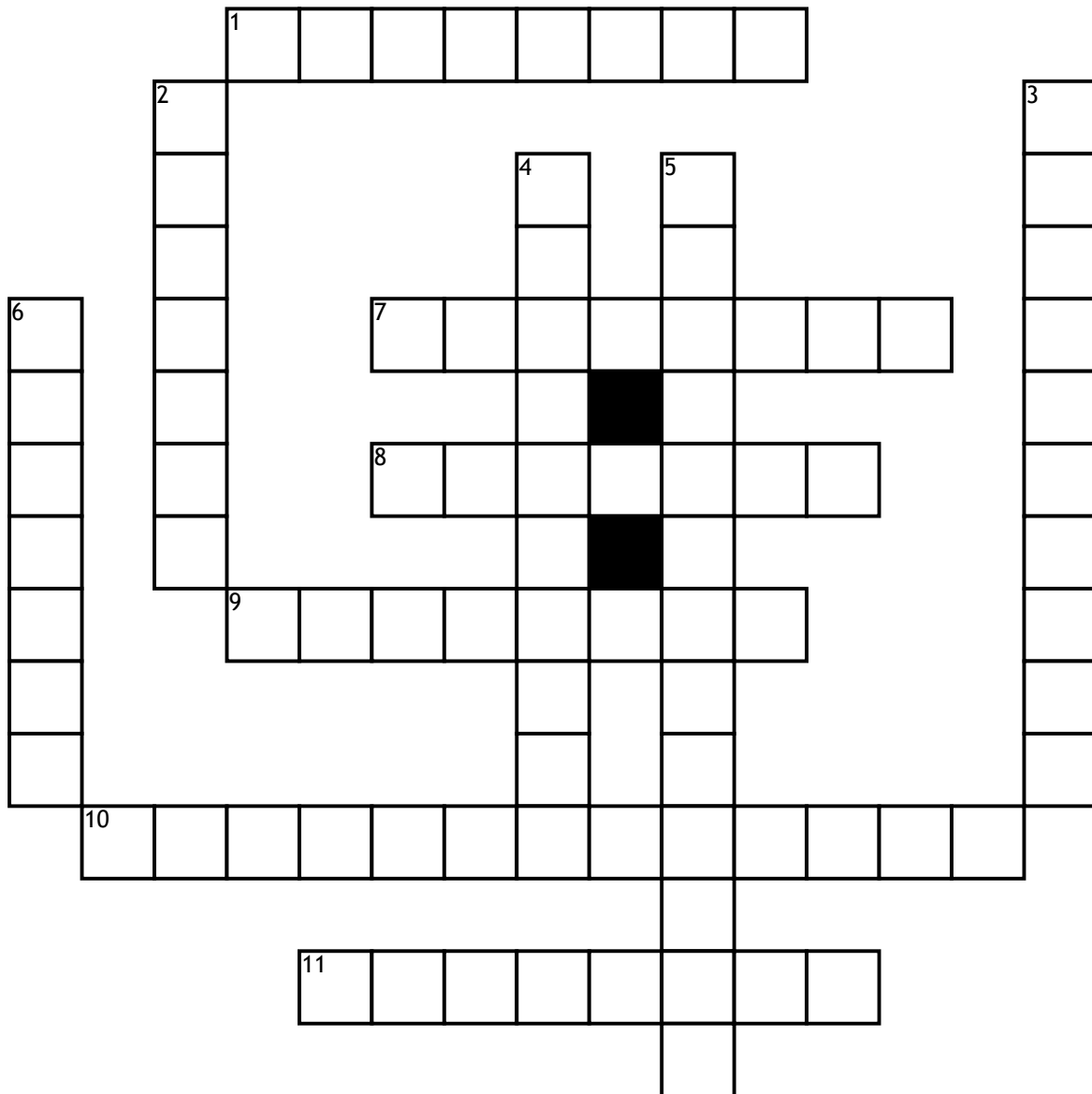


Name: \_\_\_\_\_

# Energy Flow and Nutrient Cycling



## Across

1. The nitrogen cycle is completed by denitrifying \_\_\_\_\_
7. Consumer that occupies the 4th trophic level
8. Consumers that feed directly on producers
9. The \_\_\_\_ cycle is the pathway taken by nitrogen from its primary reservoir to much smaller reservoirs of ammonia and nitrate through plants and animals and back to its reservoir
10. Source of added atmospheric CO<sub>2</sub>; accounts for up to 20% of humanity's carbon emissions

11. The energy of \_\_\_\_\_ is captured by producers

## Down

2. Non-living physical or chemical aspects of the environment
3. Found in biological molecules such as nucleic acids and the phospholipids of cell membranes
4. Meat eaters
5. Overall impact of increased greenhouse gases (2 Words)
6. Feeding level