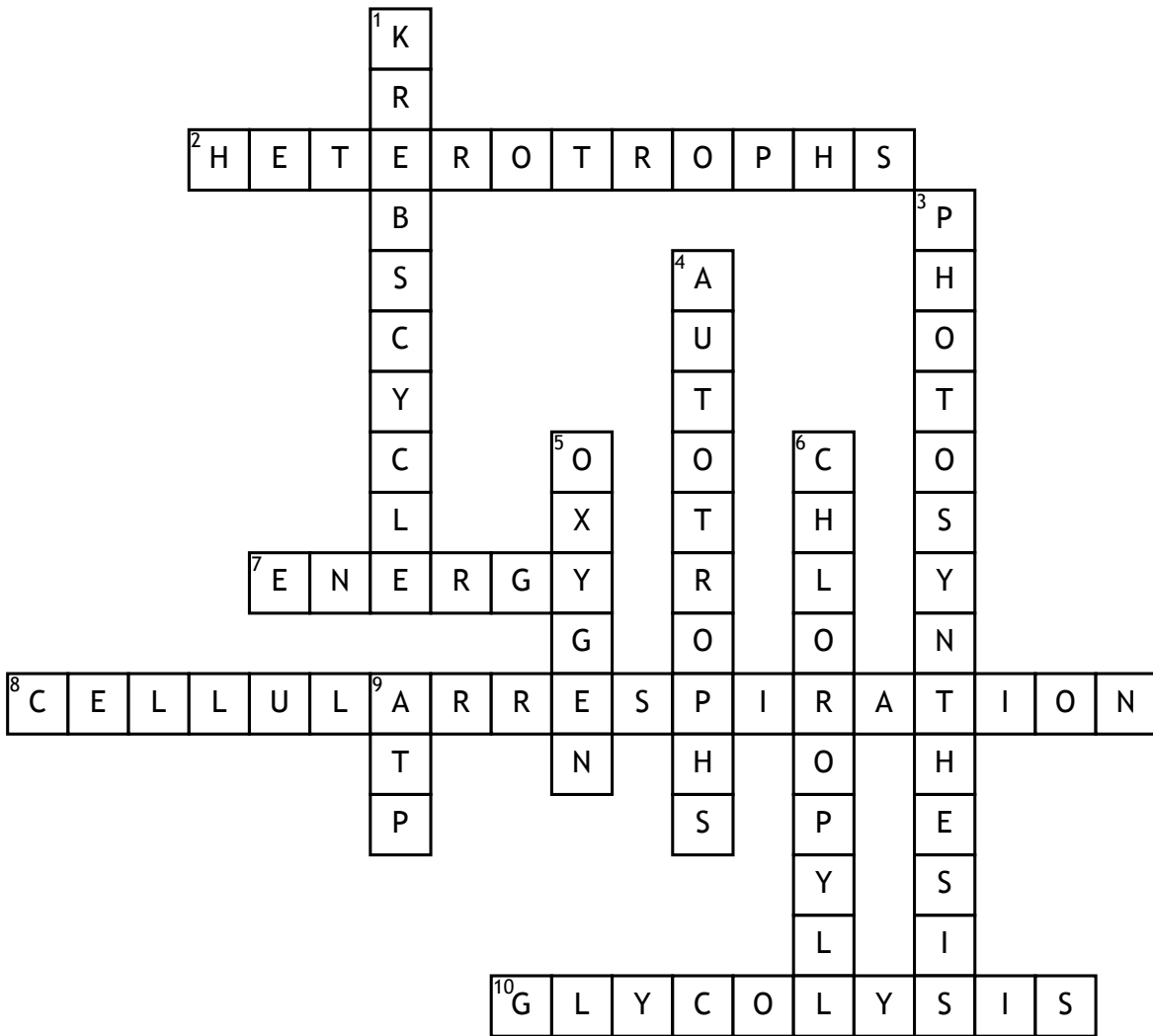


Date: \_\_\_\_\_ Period: \_\_\_\_\_

# Photosynthesis and Cellular Respiration



### Across

2. Organisms that their energy by eating other organisms are called \_\_\_\_\_.
7. During cellular respiration, sugar and oxygen combine to yield carbon dioxide, water, and most importantly\_\_\_\_\_.
8. What is the process of breaking down food that yields energy for organisms is called ?
10. The breakdown of glucose by enzymes, releasing energy and pyruvic acid is called what?

## Down

1. The \_\_\_\_\_ takes place in the mitochondria, consuming oxygen, producing carbon dioxide and water as waste products, and converting ADP to energy-rich ATP.
3. What is the process that plants use to make food for themselves?
4. A \_\_\_\_\_ is an organism that makes its own food.
5. During photosynthesis, plants use carbon dioxide, water, and solar energy to make carbohydrates and \_\_\_\_\_.
6. What chemical makes the leaves green?
9. \_\_\_\_\_ has three phosphate groups while ADP has two.