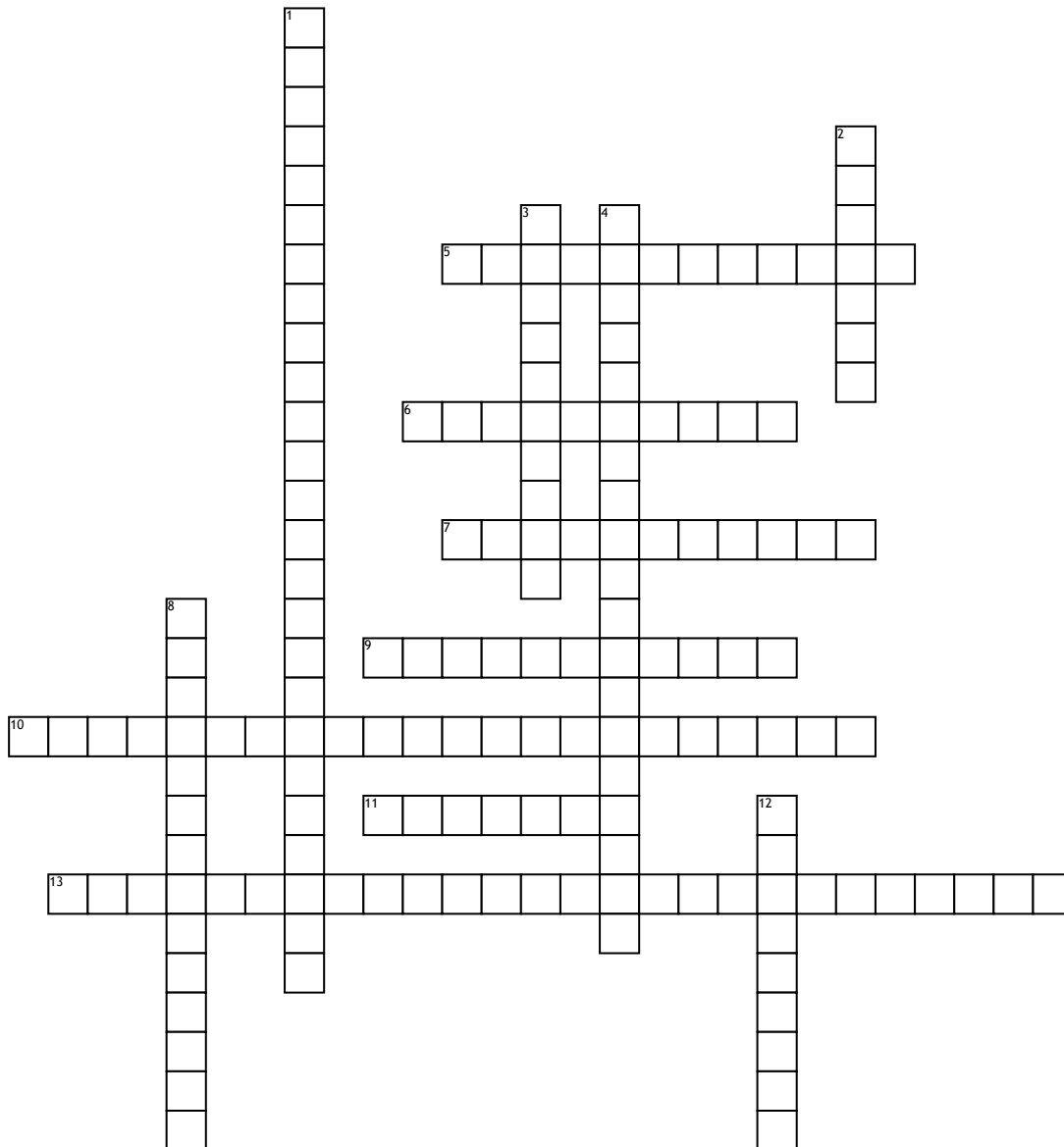


Name: \_\_\_\_\_

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

# Chapter 8 and 9 Vocab Terms



## Across

5. Process by which cells release energy in the absence of oxygen  
 6. First set of reactions in cellular respiration in which a molecule of glucose is broken into two molecules of pyruvic acid  
 7. Principal pigment of plants and other photosynthetic organisms  
 9. Organelle found in cells of plants and some other organisms that capture the energy from sunlight and converts it into chemical energy  
 10. Set of reactions on photosynthesis that use energy from light to produce ATP and NADPH

11. Light-absorbing molecule used by plants to gather the sun's energy  
 13. A small molecule used in cells as a coenzyme

## Down

1. Set of reactions in photosynthesis that do not require light  
 2. Process that does require oxygen  
 3. the sequence of reactions by which most living cells generate energy during the process of aerobic respiration

4. Process that releases energy by breaking down glucose and other food molecules in the presence of oxygen

8. Process used by plants and other autotrophs to capture light energy and use it to power chemical reactions that convert carbon dioxide and water into oxygen and energy-rich carbohydrates such as sugars and starches

12. Process that does not require oxygen