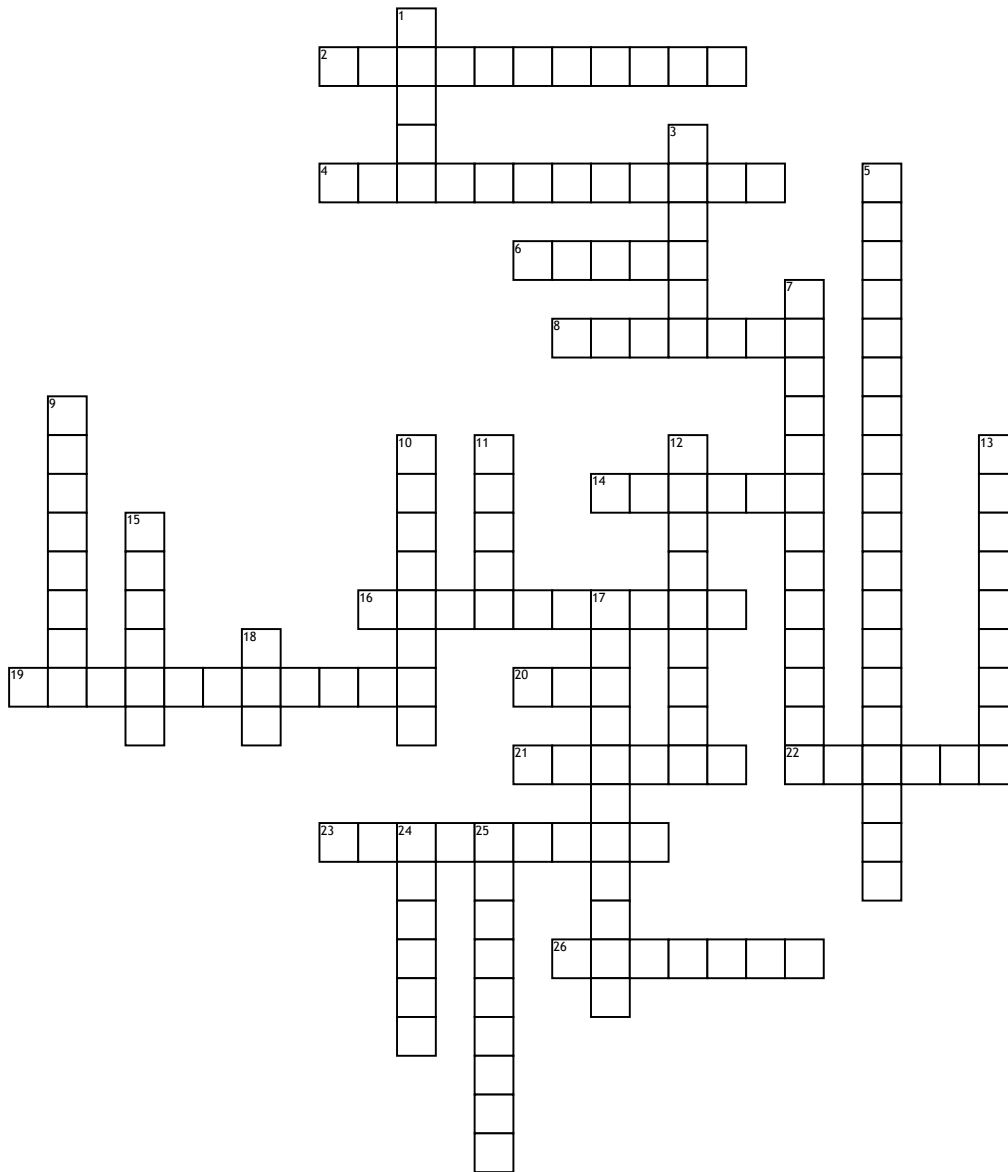


Name: \_\_\_\_\_

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

# Photosynthesis and Cellular Respiration Crossword



## Across

2. a cell organelle that is responsible for the process of photosynthesis  
 4. where part II of cellular respiration takes place  
 6. the color of chlorophyll  
 8. tiny openings on the undersides of leaves. plants get their CO<sub>2</sub> through these openings.  
 14. a chemical needed for part II of cellular respiration. If this chemical is present, large amounts of energy will be released.  
 16. this tool is needed to see the stomata  
 19. a type of organism that can not produce its own food and must feed on other organisms to obtain its energy  
 20. \_\_\_\_\_ living things carry out cellular respiration

21. where stage II of photosynthesis occurs

22. this is how humans get the glucose needed for cellular respiration  
 23. a type of organism that can produce its own food  
 26. a product of photosynthesis whose chemical formula is C<sub>6</sub>H<sub>12</sub>O<sub>6</sub>

## Down

1. a multicellular organism that can make its own food  
 3. a stack of thylakoids  
 5. a process by which organisms obtain energy from glucose  
 7. a carbon containing molecule that is necessary for plants to complete photosynthesis  
 9. the name of the compound that glucose is broken into during stage I of cellular respiration

10. this provides the energy for life on earth

11. a molecule that is broken apart during photosynthesis after sunlight is captured  
 12. where part I of cellular respiration takes place  
 13. this is how humans get the oxygen needed for cellular respiration  
 15. a gas that is released from plants during photosynthesis  
 17. a chemical that captures sunlight energy and is responsible for a plant's green color  
 18. this is the name of the cellular energy created during cellular respiration. it stands for adenosine triphosphate  
 24. the number of hydrogen atoms in one molecule of glucose  
 25. where stage I of photosynthesis occurs