



# Photosynthesis & Cellular Respiration Worksheet



Vocabulary: Match the phrases on the left with the term that best fits. Not all terms will be used, and some may be used more than once.

- |   |                  |
|---|------------------|
| ___ 1. Organisms that make their own food   | A. Chloroplasts  |
| ___ 2. Site of photosynthesis   | B. Anaerobic     |
| ___ 3. Process occurs in cytoplasm  | C. Aerobic       |
| ___ 4. $C_6H_{12}O_6$   | D. Glucose       |
| ___ 5. Process does not require oxygen  | E. ATP           |
| ___ 6. Process requires oxygen  | F. Krebs's cycle |
| ___ 7. Adenosine triphosphate   | G. Glycolysis    |
| ___ 8. Energy storing molecule  | H. Energy        |
| ___ 9. The anaerobic process of splitting glucose and forming two molecules of pyruvic acid | I. ADP           |
| ___ 10. The ability to do work  | J. Autotrophs    |

11. Fill out the table below:

	Cellular Respiration	Photosynthesis
Reactants		
Products		
What organelle?		

12. Use the picture to the right to help you describe the relationship between photosynthesis and cellular respiration:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

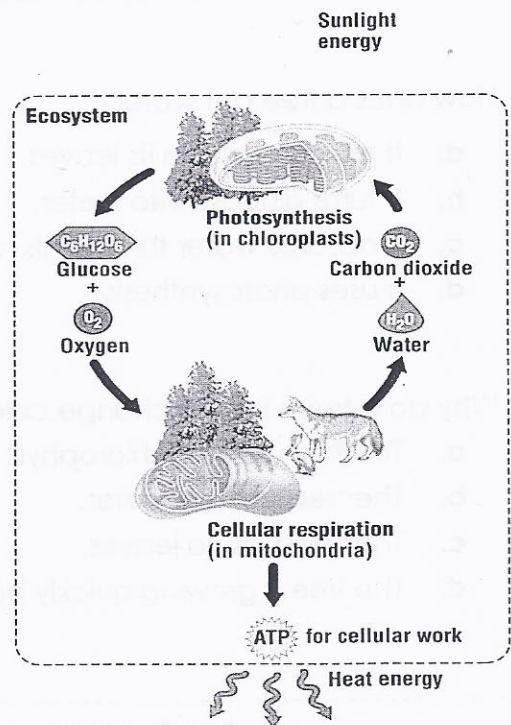
\_\_\_\_\_

13. What kind(s) of organisms perform photosynthesis?

\_\_\_\_\_

14. What kind(s) of organisms perform cellular respiration?

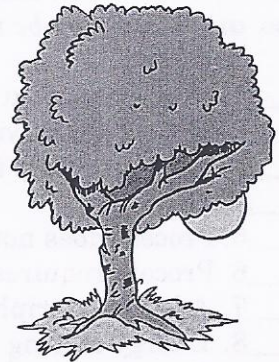
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Name: \_\_\_\_\_

# A Tree is Like a Hungry Kid

By Mikki Sadil



1. What substance does a tree use for food?  
a. photosynthesis      b. chlorophyll  
c. glucose                d. leaves
2. What four things does a tree need for photosynthesis?  
\_\_\_\_\_  
\_\_\_\_\_
3. What causes a tree's leaves to appear green?  
\_\_\_\_\_
4. What signals a tree to preparing for winter?  
a. The days become colder.  
b. The weather becomes dry.  
c. There are more rainy days.  
d. There are fewer hours of sunlight.
5. How does a tree get water?  
a. It makes water in its leaves.  
b. It turns glucose into water.  
c. It absorbs water through its roots.  
d. It uses photosynthesis.
6. Why do a tree's leaves change color in the fall?  
a. The tree has less chlorophyll.  
b. The tree has less water.  
c. The tree has no leaves.  
d. The tree is growing quickly before the winter sets in.

On index card,  
write the Recipe  
for Photosynthesis.

On the back,  
write your own  
recipe for  
Respiration.