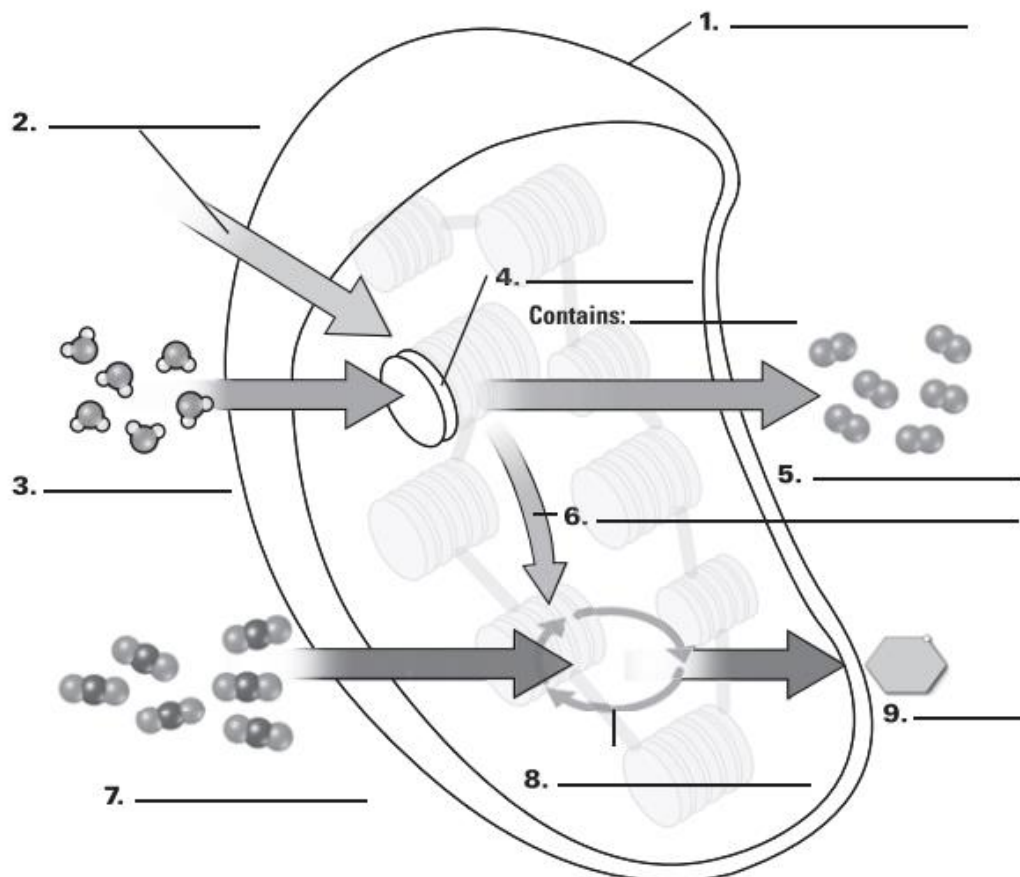


Name: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

### Cell Energy Review

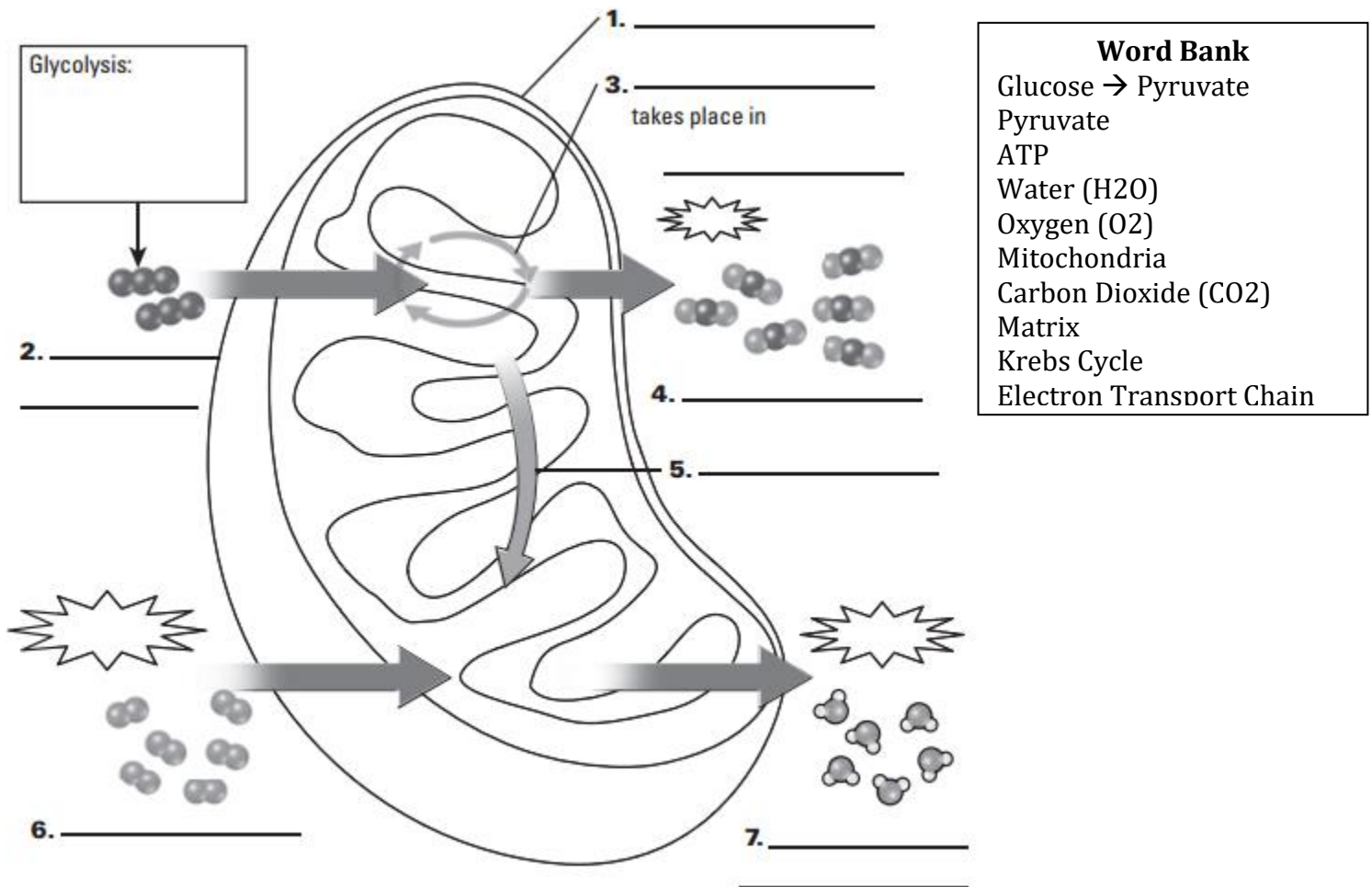
1. What do all cells use for energy? \_\_\_\_\_
2. What is ATP? \_\_\_\_\_
3. Describe the relationship between ADP and ATP. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
4. What happens to ATP to release energy? \_\_\_\_\_
5. What is the function of photosynthesis? \_\_\_\_\_
6. What is chlorophyll? \_\_\_\_\_
7. Where does photosynthesis take place? \_\_\_\_\_
8. Equation for photosynthesis: \_\_\_\_\_
9. What are the two parts of photosynthesis? \_\_\_\_\_
10. Where do dark reactions take place? \_\_\_\_\_
11. Where do light-dependent reactions take place? \_\_\_\_\_
12. What is a grana? \_\_\_\_\_
13. What is stroma? \_\_\_\_\_
14. Label the diagram below.



#### **Word Bank**

Water (H<sub>2</sub>O)  
Carbon Dioxide (CO<sub>2</sub>)  
Sunlight  
Thylakoid  
Calvin Cycle  
Chlorophyll  
Chloroplast  
Oxygen (O<sub>2</sub>)  
Glucose  
Hydrogen

15. What is the function of cellular respiration? \_\_\_\_\_
16. Why is cellular respiration called an aerobic process? \_\_\_\_\_
17. Where does cellular respiration take place? \_\_\_\_\_
18. What are the three steps of cellular respiration? \_\_\_\_\_
19. Equation for Cellular Respiration: \_\_\_\_\_
20. What happens during glycolysis? \_\_\_\_\_
21. Where does glycolysis take place? \_\_\_\_\_
22. Label the diagram below:



23. In what two ways does cellular respiration seem to be the opposite of photosynthesis? \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
24. Which part of cellular respiration creates the most ATP? \_\_\_\_\_