

Name \_\_\_\_\_

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

## Photosynthesis and Respiration

**Photosynthesis-** Write the equation in words and with chemical symbols.

What is photosynthesis? \_\_\_\_\_

\_\_\_\_\_

Where in the plant cell does photosynthesis occur? \_\_\_\_\_

When does photosynthesis occur? Why? \_\_\_\_\_

\_\_\_\_\_

What is the importance of photosynthesis? \_\_\_\_\_

\_\_\_\_\_

What is the difference between products and reactants? \_\_\_\_\_

\_\_\_\_\_

How does carbon dioxide enter, and oxygen exit the leaves? In other words, how does gas exchange occur?

\_\_\_\_\_

\_\_\_\_\_

**Cellular Respiration-** Write the reaction in words and with the chemical equation.

What is cellular respiration? \_\_\_\_\_

\_\_\_\_\_

Where does cellular respiration occur? \_\_\_\_\_

What is the importance? \_\_\_\_\_

What is ATP and why is it important? \_\_\_\_\_

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What is the difference between fermentation and cellular respiration?

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**Answer the following question:**

Describe the relationship between photosynthesis and cellular respiration. Can humans survive without plants?

Explain with details.

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