



Photosynthesis & Cellular Respiration Review



Name: _____ **KEY** _____ Period: _____

Vocabulary: Match the phrases on the left with the term that best fits. Use answers only one time.

- | | |
|---|----------------------------|
| <u> K </u> 1. Organisms that make their own food | A. Chloroplasts |
| <u> A </u> 2. Site of photosynthesis | B. Chemical |
| <u> L </u> 3. Process occurs in a mitochondrion | C. Aerobic |
| <u> E </u> 4. Light absorbing molecule in the chloroplast | D. ATP |
| <u> B </u> 5. Light energy is converted into _____ energy during photosynthesis | E. Chlorophyll |
| | F. Photosystem |
| <u> C </u> 6. Process requires oxygen | G. Oxygen |
| <u> J </u> 7. Gas used by plants in the light-independent reactions. | H. Glycolysis |
| <u> D </u> 8. Energy storing molecule of the cell | I. Heterotrophs |
| <u> H </u> 9. The anaerobic process of splitting glucose and forming two molecules of pyruvic acid | J. Carbon Dioxide |
| <u> I </u> 10. Organisms that do not make their own food | K. Autotrophs |
| <u> G </u> 11. Gas used by organisms for aerobic respiration | L. cell respiration |
| <u> F </u> 12. Arrangement of light-catching pigments within the chloroplast. | |

Directions: Answer each of the following questions in a clear and concise manner.

1. Describe in your own words what cell respiration is and why it is needed.

Cellular respiration is the process by which chemical energy stored in glucose is released and captured as ATP. Cellular respiration is needed since ATP is a useable form of energy storage.

2. Write the equation for cell respiration in word form and molecular formula.



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RJ Alexander



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