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

Biology Photosynthesis Criteria SCORE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |
| --- | --- | --- |
| **Criteria** | **Points Possible**  | **Points**  |
| Photosynthesis Equation with words | 5 |  |
| Light Reaction drawing with labels. Showing the …….* **ETC drawn and explained on paper**
* **Photosystem I & Photosystem II darwn & explained**
* **What is happening to water, sunlight, oxygen, H+ ions.**
* **how ATP and NADPH ae made and where they go after light reactions**
* **Where are the light reactions taking place**
* **Reactants and products of this cycle**
* **Explain Phosphorylation (internet)**
 |  40 |  |
| Light Independent Reactions/ Calvin Cycle: Showing the ……* **Drawing showing cycle of Light Independent/ Calvin Cycle.**
* **Where it is taking place**
* **Explanation of what energy is being used and what is being “fixed” here.**
* **Reactants and products of the cycle.**
* **How many molecules of CO2 to make 1 molecule of glucose?**
* **What happens to the energy molecules at the end**
 |  30 |  |
| Factors that Affect Photosynthesis* **What are 3 factors that affect the rate of photosynthesis**
* **Explain, give an example, and drawing of C4 plants**

**How are they different from C3?*** **Explain, give an example, and drawing of CAM plants**

 **How are they different from C3?** | 15 |  |

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

Biology Photosynthesis Criteria SCORE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |
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WORD BANK

BIOLOGY HETEROTROPH

TISSUE CELL

DNA AUTOTROPH

METABOLISM STIMULUS

HEIRARCHY ORGAN

EVOLVE SEXUAL

BIOSPHERE ATOM

PHOTOSYNTHESIS BIOTIC

PHENOTYPE ABIOTIC

HOMEOSTASIS ASEXUAL

NATURAL SELECTION UNICELLULAR

MULTICELLULAR GROWTH

DEVELOPMENT