

Name _____ Date _____ Period _____ SCORE _____

Biology Photosynthesis Criteria

Criteria	Points Possible	Points
Photosynthesis Equation with words	5	
Light Reaction drawing with labels. Showing the <input type="checkbox"/> ETC drawn and explained on paper <input type="checkbox"/> Photosystem I & Photosystem II drawn & explained <input type="checkbox"/> Explain what is happening to water, sunlight, oxygen, H ⁺ ions. <input type="checkbox"/> How ATP and NADPH are made and where they go after light reactions <input type="checkbox"/> Where are the light reactions taking place <input type="checkbox"/> Reactants and products of this cycle <input type="checkbox"/> Explain Phosphorylation (internet)	5 10 5 5 5 5 5	/40
Light Independent Reactions/ Calvin Cycle: Showing the <input type="checkbox"/> Drawing showing cycle of Light Independent/ Calvin Cycle. <input type="checkbox"/> Where it is taking place <input type="checkbox"/> Explanation of what energy is being used and what is being "fixed" here. <input type="checkbox"/> Reactants and products of the cycle. <input type="checkbox"/> How many molecules of CO ₂ to make 1 molecule of glucose? <input type="checkbox"/> What happens to the energy molecules at the end	5 5 5 5 5 5	/30
Factors that Affect Photosynthesis <input type="checkbox"/> What are 3 factors that affect the rate of photosynthesis <input type="checkbox"/> Explain, give an example, and drawing of C4 plants How are they different from C3? <input type="checkbox"/> Explain, give an example, and drawing of CAM plants How are they different from C3?	5 5 5	/15

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