

Grading Rubric: Unit 2 Algae Lab

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	No Effort - 0	Unsatisfactory - 1	Approaching - 2	Proficient – 3
1. Use the evidence you gathered in this experiment, explain what affect the addition of fertilizer had on the growth of your algae.	No conclusion provided.	Brief explanation as to what affect fertilizer had on the growth of algae in this lab.	Explanation for what affect fertilizer had on the growth of algae in this lab with qualitative evidence provided from the experiment.	Explanation for what affect fertilizer had on the growth of algae in this lab with quantitative evidence provided from the experiment.
2. Why is the movement of gases into or out of the test tube essential for the growth of algae?	No explanation provided.	General explanation as to why gases move through cotton balls provided.	Explanation as to why the movement of gases through cotton balls is essential for the growth of algae in this lab.	Explanation as to why the movement of gases through cotton balls is essential for the growth of algae with reference to the carbon cycle to support the claim.
3. Which source of nitrogen- atmosphere or the fertilizer- had the greater effect on the growth of the algae?	No conclusion provided.	Atmosphere or fertilizer identified as having a greater effect on the growth of algae in the lab with no clear explanation.	Atmosphere or fertilizer identified as having a greater effect on the growth of algae with a general comparison between control and experimental groups in the lab.	Atmosphere or fertilizer identified as having a greater effect on the growth of algae with reference to the nitrogen cycle to support the claim.
4. Predict- How might a thick layer of algae on the surface of Lake Washington affect producers and consumers in that lake?	No prediction provided.	General explanation for how algae might affect another aquatic ecosystem is given.	Explanation for how algae affects another aquatic ecosystem given with a clearly defined example of either a producer or consumer.	Explanation for how algae affects another aquatic ecosystem given with a clearly defined example of producers and consumers that live in Lake Washington.
				TOTAL: 12 points