**Photosynthesis/Cell Respiration Essay**

Instructions:

**NAME YOUR DOCUMENT: Your name+your class perphotosynthesisessay**

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Paragraph 1: Set-up and idea behind set up

* **What did you have to include in the biome?**
	+ (The requirements for building our biome were \_\_\_\_\_\_\_\_.)
* **Why did you choose the plant that you did?**
	+ (We chose to use a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_).
* **Why did you choose the organism that you did? Was there an advantage to using that kind?**
	+ (For our organism, we chose to use a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)
* **Why did you choose to build the biome in the way that you built it?**
	+ (Our biome was built so that \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. We chose to build it like this because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.)
* **Did you come across any issues?**
	+ (Some issues I had were \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)

Paragraph 2: Information about photosynthesis and how does it relate to your biome.

* **Include where exactly photosynthesis is taking place in your biome.**
	+ In our biome, photosynthesis takes place in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* **What kind of cells are performing photosynthesis? What organelle is responsible for it?**
	+ Photosynthesis is done in \_\_\_\_\_\_\_\_\_\_\_\_\_\_ .
* **Why is photosynthesis important? Why is it important in your biome?**
	+ Photosythesis is important because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. It is important in our biome because\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* **How does it work? Include the reactants (ingredients) and the products.**
	+ The process of photosynthesis involves taking \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and converting it to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Paragraph 3: Information about cellular respiration

* **Include where exactly cellular is taking place in your biome.**
	+ In our biome, cellular respiration is takes place in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* **What kind of cells are performing cellular respiration? What organelle is responsible for it?**
	+ Cellular respiration is done in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* **Why is cellular respiration important? Why is it important in your biome?**
	+ Cellular respiration is important because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. It is important in our biome because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* **How does it work? Include the reactants (ingredients) and the products.**
	+ The process of cellular respiration involves taking \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and converting it to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Paragraph 4: Information tying the two processes together

* **How do photosynthesis and cellular respiration work together in your biome?**
	+ Photosynthesis and cellular respiration work together in our biome by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* **Include evidence from what you’ve observed in the past two weeks to back up your statement.**
	+ We know this because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* I**f you’re biome has not survived, what kind of evidence would you be looking for?**
	+ We would have know that our biome would have worked because we would have seen\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ because\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Paragraph 5: Conclusion including sources of error and ideas for improvements

* **How long did your biome survive for? How did you know?**
	+ Our biome survived for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. We know because we saw \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* **Was it a perfectly sealed biome or did you notice any errors in your design?**
	+ Our biome was \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* **If you were to rebuild your biome, how would you change it? Why?**
	+ If we were to rebuild our biome, next time we would \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.