Photosynthesis and Cellular Respiration Poster

**Directions:**

You will draw a diagram that expresses the **relationship between photosynthesis and cellular respiration.** Your diagram will be graded on how clearly and accurately you display the steps, structures, and relationship of both processes. Your diagram should display the following terms and explanations: (use 8 ½” x 11” or legal size paper)

(Use this as a checklist to ensure that you have included all the necessary information)

* The two stages/ locations where cellular respiration takes place.
* Respiration Equation in word form.
* The two stages of photosynthesis
* Photosynthesis Equation in word form.
* Chloroplasts
* Chlorophyll
* Mitochondria
* Cytoplasm
* Autotroph
* Heterotroph
* Water
* Carbon Dioxide
* Glucose
* Sunlight (Light Energy)
* Oxygen
* Energy (ATP)
* Artwork, drawings, or pictures that depict what is happening in photosynthesis.
* Artwork, drawing, or pictures that depict what is happening in cellular respiration
* Connect the processes of photosynthesis and cellular respiration.

**Rough draft is due Tuesday, April 24th!**

(You may submit your rough draft via email earlier if desired. Once approved, you can turn in your final draft at any time!)

**Final draft is due Monday, April 30th!**

**PHOTOSYNTHESIS AND CELLULAR RESPIRATION POSTER PROJECT RUBRIC**

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| **Category** | **5 points** | **4 points** | **3 points** | **2 points** | **0 points** | **Self- Assessment** | **Teacher Assessment** |
| Rough Draft | Rough Draft was turned in signed and approved by teacher. |  |  |  | Rough Draft was not turned in. |  |  |
| Title | Title is clearly visible from 3 ft away, and is appropriate for the topic. | Title is appropriate for the topic, but is not clearly visible 3 ft away. | Title is not appropriate for the topic, but is clearly visible from 3 ft away. | Title is not appropriate for the topic, and is not clearly visible from 3 ft away. | Title is missing.  |  |  |
| Terms to be included(X 4)  | Poster includes all necessary terms. All items of importance on the poster are clearly labeled with labels that can be read from at least 3 ft. away. | Poster is missing 1 or two terms. Almost all items of importance on the poster are clearly labeled with labels that can be read from at least 3 ft. away. | Poster is missing 3 or more terms Many items of importance on the poster are clearly labeled with labels that can be read from at least 3 ft. away. | Poster is missing 4 or more terms Most of the labels are too small to view, and are not clearly labeled. | Poster is missing 5 or more terms. No important items were labeled.  |  |  |
| Explanations included(X 4)  | Poster clearly explains the processes of photosynthesis and cellular respiration, and how they are related. | Poster clearly explains the processes of photosynthesis and cellular respiration, but does not clearly explain how they are related. | Poster clearly explains the processes of photosynthesis and cellular respiration, but does not include an explanation of how they are related.  | Poster attempts but does not clearly explain the process of photosynthesis and cellular respiration or how they are related. | Poster is missing one or more explanations of the processes of photosynthesis and cellular respiration, and how they are related.  |  |  |
| Pictures(X 3)  | All pictures are related to the topic and make it easier to understand. All borrowed graphics have a source citation. | All pictures are related to the topic and most make it easier to understand. Some borrowed graphics have a source citation. | All pictures relate to the topic. One or two borrowed graphics have a source citation. | Some of the pictures relate to the topic. One or two borrowed graphics have a source citation.  | Graphics do not relate to the topic. Only one or none of the borrowed graphics have a source citation.  |  |  |
| Neatness(X 2) | The poster is exceptional in terms of design, layout, and neatness. | The poster is well done in terms of design, layout and neatness. | The poster is mostly well done, but a little messy in certain areas. | The poster is mostly messy, but well done in one or two areas. | This poster is messy, and disorganized.  |  |  |
| **Total Points**  |  |  |  |  |  |  /75 |  /75 |