

Outline for Lab Report

1. Title

2. Objective

3. Procedure – brief summary of the procedure – (only 2 to 3 sentences in length)

4. Data

- data table with the class data - results for each trial by color light – also calculate the average time from the class data for each color light
- written analysis of the data that:
 - a. listing the results for the trials you measured
 - b. the class average time for each color light
- bar graph that displays the averages “rate of photosynthesis” for each type of light. Make sure the graph is titled and the axes are labeled

5. Analysis

Write an analysis of the data that answers all of the following. You must use complete sentences and use transitions that allow the ideas to “flow” smoothly

- explain how the time measurements show us the relative rates of photosynthesis in the spinach leaves
- compare the rates of photosynthesis under each color light – are there differences, similarities, or patterns in the data you see – rank the light types based on the rates of photosynthesis
- connect information that you learned about while researching plant pigments to the results from this experiment.
(Types of pigments, what types of light do specific plant pigment absorb or reflect, etc)