Name:
Period:
Date:

Rubric – Photosynthesis Lab

Title (IV, DV, and subject) _____/3

Background (2-3 Sentences) & Purpose (1-2 Sentences) _____/5

Hypothesis (If…and…then) (5pts each) _____/5
NOTE: Must have for the "if" part how the IV will affect the DV. If not, subtract 2 points.

Procedure (Clearly states the different treatments for the control and the variable)
- 2 points for not clearly defining control & variable _____/10
- 4 points for clearly stating which two tests will be conducted to evaluate experiment
- 4 points steps are numbered and include details to set up the experiment

Data Tables: Titles, labels, tables are clearly defined, Units
Table for absorbance (each vacant line is minus one point) _____/6
* corrected differences
Data for one other test (if height, include averages for each day) _____/6

Graph for absorbance (each label – title, x-axis, y-axis - is worth 1 point) _____/5
Graph one other part (each label – title, x-axis, y-axis = 1 pt each,
Plotted points, =2 pts each) _____/5

Analysis:
Paragraph 1: REE (Results, Evidence, Explanations) _____/5
-needs to have stated the results of the experiment.
-needs to have evidence supporting the results.
-needs to have an explanation of the results.
-missing any of these is minus 2 points each.
Paragraph 2: PE (Possible Errors) _____/5
-Must discuss at least 2 sources of error and how to avoid these errors in the future. If not, take off 2 points for each one missing.
Paragraph 3: PA (Practical Applications) _____/5
-Must explain what the student learned related to photosynthesis while performing the lab. If not, subtract 2 points.

TOTAL:_____/60