**Photosynthesis Lab: What factors affect the rate of photosynthesis in living leaves?**

Format for lab write up in notebook

T**itle** on the top of your lab report

**Pre lab questions**

**Determine variable your group will test:**

Light intensity or distance from the light

Amount of sodium bicarbonate

Water temperature

Type of leaf

**Hypothesis:** Clearly state your group’s hypothesis about your variables effects on the rate of photosynthesis.

**Procedural steps:** Use the procedure steps from lab

**Results:** Create a data table to collect your data from your experiment. Ensure the table is titled and all rows and columns are identified and labeled correctly.

**Graph** putting your Independent Variable on the x-axis and Dependent Variable on the Y- axis. Graph results from both control and experimental set-up.

**Label your ET50 for your control and you experimental groups on your graph.**

**Conclusion**: Using your hypothesis as your claim, use your evidence from your experiment to explain your reasoning for accepting or rejecting your hypothesis.

**Post Questions**

1. Research the effects of your variable on the rate of photosynthesis. Report your findings and cite your source(s). Compare your findings to your research. Did they align? Why or why not.