**Rate of Photosynthesis**

**~Conclusion Guide~**

Paragraph #1: What background information supports the experiment?

* Photosynthesis

•Purpose

•Reactants (what goes in) and products (what comes out)

•Light and dark reaction

Paragraph #2: What is the experiment design to test? Why is it important?

* The effects of light intensity on photosynthetic rate
* Rate of energy conversion and storage affects availability of food

Paragraph #3: Why is the experiment being done?

* Why do we care how much photosynthesis is occur in?
  + What is the connection between photosynthesis and the human population?
    - Humans eat plants/and others things that eat plants to get energy
    - Energy is one thing that limits a populations size (not enough food and people starve)
      * Optimal amount of light for photosynthesis to support a growing population

Paragraph #4: What are the predicted outcomes of the experiment? Explain

* State predictions for each test
* Explain why you expect each test to result as predicted
* What other factors might affect the rate of photosynthesis? (Hint: consider the reactants in the photosynthesis reaction) – How/Why (would they speed up or slow it down?)

Paragraph 5: How might the rate of photosynthesis might play a role in animals populations?

* Hint: How are plants and animals connected?
* Make a recommendation for protecting or destroying the sun.

*\*Use and cite your notes from class and your textbook as resource: (2 reference minimum)*