Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_

Photosynthesis Lab AP Biology

**Photosynthesis Lab**

*(Measuring the rate of the light-dependent reaction using the rising leaf-disc method)*

**Abstract:**

Purpose: To measure, record, calculate and compare the rate of the light-dependent reactions of

photosynthesis (under various conditions).

**Introduction: Word Bank:**

autotroph/autotrophic nutrition photosynthesis light/photons

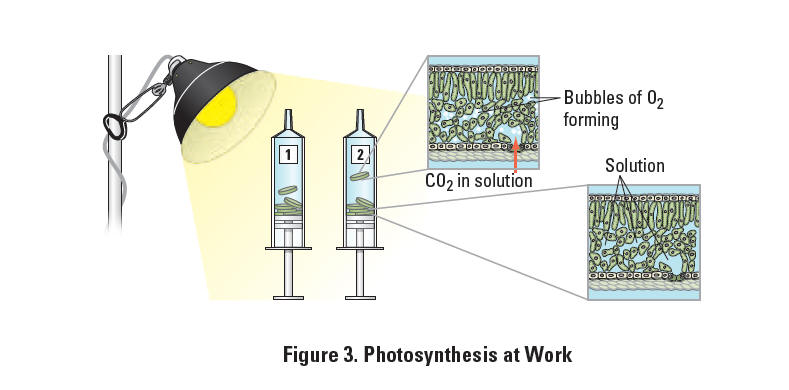
chloroplast/chlorophyll/NADP thylakoid/grana guard cells

light-dependent reaction chemiosmosis photophosphorylation

leaf / stomates spongy mesophyll palisade mesophyll

**Methods**:

**Procedure:** *Think about a factor (independent variable) you would like to test in this experiment.*



**Data/Results**: Create a data table(s) to organize your observations and graph(s) to present your results.

**Discussion**:

**Post-Lab Questions**: Possible questions to follow.