

FORMAL AP BIOLOGY LAB REPORT RUBRIC

1. **Abstract:** (2 pts)

This provides a summary of your report. The abstracts will consist of a sentence or two of introduction which includes the objectives of your experiment, a description of the investigation to be conducted, methods, and rationale for the hypothesis you have made.

2. **Problem:** (0.5 pts.)

This should be a concise description of what you are studying and ideally should be a question that is posed.

3. **Hypothesis:** (1 pt)

Correctly stated as an if .. then statement which ties together the independent and dependent variables in the experiment or investigation

The hypothesis is what you think will happen during the investigation. It differs from a guess in that it is based upon prior knowledge or evidence. It should be supported by previously developed evidence and/or concepts.

**\*\* Reminder:** The hypothesis should be the statement that drives your laboratory investigation ... and represents your best prediction of the results based on prior experience with the problem.

**\*\* Note:** Physical Science courses and experiments often combine the problem and hypothesis as a hybrid, but biology and psychology reports usually want a clear statement of the hypothesis when possible in an if .. then conditional format.

4. **Materials:** (0.5 points)

A list of the materials and equipment used in the lab.

5. **Procedure:** (2 points):

Include a listing of the steps for performing the lab. Be specific but brief. Diagram and label the setup of equipment for the lab when appropriate. State any hazards that may be encountered while doing the lab. The procedure must include an identification of the independent and dependent variables and the control(s) in the experiment at the discretion of the instructor.

**\*\* Reminder:** A well designed experiment should have one clearly defined independent variable and at least one control.

6. **Data/Results:** (1 pt.)