AP BIOLOGY
LAB REPORT FORMAT

TITLE PAGE:
The title page itself needs to say something about the content of the report. "Lab report" is not an acceptable title. The reader should have a good idea about the experiment from just reading the title. Center the title in the middle of the page. On the lower right hand corner, provide your name(s), course title, date, and instructor's name. Also, next to each group member's name,Also, diagram each material record for which part of the lab they were responsible.

ABSTRACT:
The purpose of an abstract is to give a researcher a quick understanding of the contents of the journal article. In one paragraph it should summarize the purpose, the hypothesis, the procedure, the results and conclusions.

INTRODUCTION:
The introduction includes relevant background information addressing the question of why this experiment was performed. Include what is known about this topic which will help you make a prediction as to the outcome? The intro also addresses the experimental hypothesis as well as the expectations for the results. What are you "hoping" will happen to support the hypothesis and why do you expect them?

MATERIALS/PROCEDURES:
This section should include a materials LIST, with specific amounts and concentrations.
The procedure should include sufficient detail so that a novice could repeat the experiment. The procedure should be numbered step by step and diagram the setup. Be sure to include: methods which will be used to obtain data; the controlled and experimental variables; safety considerations.

RESULTS:
This is a presentation of data. This should include data tables of your team's data and of the class data, if appropriate. Graphical, visual presentation of the results is also required. Be sure all tables and graphs have appropriate descriptive titles centered across the top. Be sure all units are designated and X and Y axes labeled. The data tables and graphs should be followed with a written summary of the results, pointing out notable, unusual, unexpected values directly to the reader. Avoid discussion of their meanings until the next section of the report. Tables can be typed but **GRAPHS CANNOT BE COMPUTER GENERATED.** Sometimes you will be asked to include the results you obtained from the computer simulation of the lab.

DISCUSSIONS AND CONCLUSIONS: (most important part of paper)
What does it all mean? Can you accept the hypothesis as written or do they need modification? If they are not accepted, can you suggest reasons why? Were there variables that may not have been controlled as thought during the experiment? How did your actual results compare to the computer generated results? What further questions, hypotheses and experiments are generated by this experiment?

FORM NOTES:
Include clear, stand alone section headings and place them in the above order in the final document. Number your pages (at the bottom center of the page). Do your graph(s) on graph paper. Write in the third person; never use "I" or "We". The report should be typed.