Preparing Laboratory Reports

Every student must turn in his/her own report

All Laboratory Reports must have the following format.

I. *Purpose*: This is a brief summary of the objective(s) of the investigation.
II. *Procedure*: This section describes what was done.
III. *Observations and Data*: Describe what you sensed during the lab. For example- a color change, bubbling, appearance of a new substance, a sound. Record all numbers which were obtained from laboratory equipment in this section and label them with their appropriate unit like grams, millilitres, and atmospheres.
IV. *Analysis*: This section contains all the math and graphs you used to accomplish the objective of the investigation. Present the analysis in a logical manner and refer to all the graphs included in the report. A graph without a reference is meaningless.
V. *Conclusion*: What did you get? What is your error? What are the sources of your error? Do not list *possible* sources of error! Identify the *actual* sources of error. Are the data reliable? Explain. Are the data accurate? Explain. How much confidence you have in your result? Explain.
VI. *Additional Problems/Questions*: Answer all questions given to you that are additional to but pertain to the laboratory.
VII. *Extra Credit*: With the approval of your teacher you may extend the investigation. Sometimes your teacher will give you some ideas, sometimes you will have your own ideas.