

# LAB WRITE-UP FORMAT

PLEASE - Do NOT THROW this away! RETURN It.

## I. EXPERIMENT TITLE

II. **PURPOSE:** Give a brief explanation of the objectives of the experiment.

III. **HYPOTHESIS:** Give a statement about what you expect to happen and why.

IV. **MATERIALS:** Give a *listing* of the materials needed for the experiment.

V. **PROCEDURE:** Give a *brief* explanation of the procedure of the experiment (Communicate to me that you know what to do in this experiment).

## VI. DATA:

1. Gives all observations made, qualitative and quantitative.
2. Organize the data in an easy to read form.
3. Use data tables with *Titles*.
4. All measurements should include proper units.

## VII. PROCESSING THE DATA:

1. Show a setup for all calculations, with proper units (if applicable).
2. Graph the data.

\*Always use graphs, averages, scatter plots with regression lines and correlation coefficient, percent differences, or any other way to help the reader interpret your results.

VIII. **QUESTIONS:** see handout

## IX. SOURCES OF ERROR (ERROR ANALYSIS): see instructor's website

1. List the possible sources of error relative to your experiment(qualitative).
2. Discuss the effects of these errors on the results and indicate which error causes the greatest deviation (variability).

## X. HYPOTHESIS CONCLUSION:

1. Give a short discussion of the relevant observations, regularities, and interpretations made in the experiment.
2. Relate these comments to the hypothesis of the experiment.
3. State whether the hypothesis is correct or incorrect and why.