

LABORATORY REPORT

Name of Instructor _____

Name of Student _____

Class _____ Dep't or Section _____

Carnegie Institute of Technology

Title _____

Date of Experiment _____ No. of Exp't _____

Partner's Name _____

Date Received

Date Returned for
Revision

Date Accepted

Instructor's Initials

Laboratory Reports should be written in ink according to the following:

1. Title and number of experiment.
2. Purpose of experiment.
3. Description and diagrammatic sketch of apparatus used. Neat pencil sketches will be accepted.
4. Theory of experiment. (Optional.)
5. Method of procedure. (Optional.)
6. List of instruments used.
7. Tabulation of corrected data and results.
8. Calculations. Give one complete sample calculation.
9. Curves. Whenever possible, the results of an experiment should be shown graphically by means of neat curves.
 - (a) The scale for the independent variable shall be on the axis of abscissas (X-axis); while the scale for the dependent variable shall be on the axis of ordinates (Y-axis).
 - (b) Scale and name of unit must be marked on each axis.
 - (c) Choose scales of such size that the errors in observation will not be unduly prominent. Begin both scales at zero, unless there is reason for the contrary.
 - (d) Mark all points plotted by small circles and draw a smooth curve that best fits all points plotted.
 - (e) Give each curve a title and put enough data on the sheet to make the curve self-explanatory.
10. Discussion. This part of the report should include a discussion of the methods used and the results obtained. In general, the instruction sheets will indicate the scope of the discussion.