

Name \_\_\_\_\_ (1 point)

Partners \_\_\_\_\_ (2 points)

Date \_\_\_\_\_ (1 point)

**Title** (1 point)

**Objective/Purpose** (1 point)

**Hypothesis** (5 points) – in your own words. For physics labs this is usually added to the summary.

**Materials List** (1 point)

**Procedure** (3 points)

**Data** (10 points) - units on all data, organized, complete, correct precision. If you don't attach the sheet in classroom you will lose 5 data points.

**Results/Calculations (Data Analysis)** (10 points) – complete, showing all work for ANY calculations, includes units, graphs labeled and represents data collected. The results need to be in your table (sheet) that is included with your classroom submission.

**Conclusion/Summary** (15 points) – Complete stand-alone sentences; Identifies whether the hypothesis is correct or incorrect; Relates to purpose/objective; Grammar usage & sentence organization; Sources of error; Further investigation/improvements Your summary needs to tell the story of your experiment. Not writing a good story will cost you 5 points. When you work with another person your data will be the same but the sample calculations and summary MUST be your own. Copying results in a zero for the lab.

**50 points possible**

47-50 .... A

45-46 .... A-

44-45 .... B+

42-43 .... B

40-41 .... B-

39..... C+

37-38 .... C

35-36 .... C-

34..... D+

32-33 .... D

30-31 .... D-

$$\%Error = \frac{|A - O|}{A} \times 100$$

Your Name

Partner(s) Names

Date Data is collected

Title

Purpose:

Procedure: Doesn't need to be sentences but should be detailed enough that another chem student can follow your directions to get similar results.

Hypothesis: Maybe. For many labs you won't know enough to do a hypothesis

Data/Results:

Sample Calculations:

Summary/Conclusion: Should generally have three parts

- a. What did you learn claim-evidence-reasoning
- b. source and size of errors
- c. improvements

..... The summary needs to be in complete, stand alone sentences. A self telling story.