**Lab Report Guidelines**

We will complete numerous labs this year in class. As you work to practice your writing we will practice writing parts of a lab report. To assist students in the learning process each lab will require students to write only a PORTION of a full lab report. After students have practiced writing parts of the report in groups, you will be required to complete parts of the report on their own.

Parts of the Lab Report:

1. Abstract

2. Introduction

3. Procedure

4. Data/Results

5. Conclusion

6. Works cited

For 8th Grade Science we will learn how to write the PROCEDURE, DATA & CONCLUSION parts of a lab report.

**Procedure** - Paragraph format in complete sentences.

It is not always necessary to “list” the materials, but one must mention very clearly and very specifically the equipment when you are writing it into the procedure. For example, when you use a beaker, state the size, and if you use any special equipment, like a prepared slide, you need to include the type and company the slide was prepared by. As for the procedure, it should be a detailed explanation of how the experiment was performed. This should be done clearly enough that someone else could reproduce the lab EXACTLY by just reading your report as their reference or directions.

**Data/Results**- Includes graphs, charts, and diagrams

What was discovered? You will need to include all the relevant data from the lab. You are only to present the data, observations and facts in this section. There should be no opinion or discussion included. Charts, graphs and diagrams must be labeled correctly. Be sure to use the appropriate type of graph to communicate your data.

**Conclusion** - Paragraph format in complete sentences.

Summarize your work by answering all of the following questions: What can you conclude from your results? Restate your hypothesis. Was your hypothesis rejected or supported and why? If you have data, tables, graphs, or charts what did they show? What problems occurred (experimental errors) and how can they be avoided if you were to perform the same experiment again? How can these results be useful in the real world?

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**How will you be graded?**

Use this grading check list to help proof your writing assignment. This is the way YOUR TEACHER will grade your work.

**Grading Rubric**

**3. Procedure**

0 1 2 No pronouns (I, we, you, us).

0 1 2 Must use complete sentences and correct paragraph form. No bullets.

0 1 2 All aspects of the experiment are clearly explained. Write in detail.

0 1 2 Equipment and materials needed are clearly identified in the body of the procedure.

0 1 2 Does not mention any results in this section.

0 1 2 The lab can be reproduced based on quality of written procedure.

**Total Points Possible 12**

**4. Data/Results**

0 1 2 All tables, graphs and diagrams are included.

0 1 2 Tables, diagrams, graphs and/or figures are correctly built and labeled.

0 1 2 Does not draw conclusions in this section.

**Total Points Possible 6**

**5. Conclusion**

0 1 2 Hypothesis was restated.

0 1 2 Explanation of whether hypothesis was supported or rejected.

0 1 2 Explanation of what your data, tables, and graphs showed.

0 1 2 Discuss possible changes that could be made to the experiment.

0 1 2 Connection of material to real world.

**Total Points Possible 10**