**Calorie Content of a Dorito**

By

NAME 1

NAME 2

NAME 3

NAME 4

Chemistry 12 (Period) Date Performed:

Teacher Name Date Submitted:

**Purpose**:

* To determine the energy content of a sample of Dorito

**Pre-Lab:**

* Include Pre-Lab Questions

**Hypothesis:**

* Include a statement for what your intended result is and why. This should be a precise, testable statement.

**Material List:**

* List all materials that you used during your lab

**Experimental Design and Methods**:

* Place all data tables, charts, graphs, etc. in this section. Make sure that all items in this section have a sentence or two explaining what they are**Data and Observations**:

**Calculations**:

* Include a sample calculation based on the data you collected.

**Conclusions**:

* Please write in paragraphs. What was your final value(s) you found? Discuss your data, your hypothesis, and the purpose of the lab. Relate them to each other. Provide some exposition about why your data may be what it is. This should be one of the longest sections of your report. Imagine that this section was explaining your findings to the client that ordered this lab.

**Error Analysis:**

* Describe some sources of error in the lab, why they were sources of error, and how they may have affected your experiment. You want to include at least two sources of error. Also include a percent error calculation if possible

**Post Lab Analysis Questions:**

1. What was the average value of Calories per chip that you found? Does this value match the advertised value listed in the pre-lab work?
2. Compare your experimentally determined energy content (in J/g) to the calculated value from the nutrition label. Calculate the percent error for your experiment.
3. Explain how you could improve the accuracy of this experiment. This should be at least 4 COMPLETE sentences.