**Wait! Hmmm. Gee. Lab**

**Question:**   
What is the relationship between the mass of an object and the force of gravity which acts upon the object?   
  
**Purpose:**   
To determine the mathematical relationship (i.e., the equation) which relates an object's mass (in Kg) to the force of gravity (in Newtons) *which acts* upon the mass.   
  
A complete lab write-up includes a Title, a Purpose, a Data section, a Conclusion, and a Discussion of Results. The Data section should include a table of data and a plot of the data; the results of a linear regression analysis should also be included. Class data should be reported. The Conclusion should respond to the question raised in the Purpose of the lab (as always). The Discussion of Results section should reference the Data section and discuss the supporting evidence for the conclusion. An error analysis should be included.

**Wait! Hmmm. Gee. Lab Rubric**

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|  | Included, labeled and organized all parts of the lab report. | \_\_\_\_/10 |
|  | Data section includes the data table with labeled columns and units. A sketch of plot is included; axes are labeled; results of linear regression analysis are included. Class data is reported. |
|  | Conclusion states the relationship between the mass and the force of gravity. An equation is reported; symbols are defined. |