

Physics Lab Report Rubric

Term 2 - - k

3/17/2017

| Section | Check list | Points Possible | Points Earned |
|-----------------------|--|-----------------|---------------|
| Pre-lab | This is to be handed in BEFORE starting the lab, must explain Ohm's Law with definitions, formulas and examples. (Due 3/14/17) | 10 | |
| Name, Date, and Title | <ul style="list-style-type: none"> • Contains a descriptive title? • Has the name of the author and lab partner? • Has a date? | 3 | |
| Abstract | <ul style="list-style-type: none"> • Describes the physical phenomena examined in the lab? • Explains the applications or importance of this phenomena? • States the goal of the lab? • Summarizes the important conclusions of the lab? | 4 | |
| Procedure | <ul style="list-style-type: none"> • Adequately describes the apparatus? • Summarizes the procedure with enough detail that someone taking AP Physics at another school could reproduce your results? • States what measuring instruments were used to make each measurement? | 3 | |
| Data | <ul style="list-style-type: none"> • Contains any qualitative observations used to support the conclusion? • Contains all measured data with estimates the error in the measured data? | 5 | |
| Calculations | <ul style="list-style-type: none"> • States all formulas used to analyze the data? • Uses appropriate units? | 10 | |
| Error Analysis | <ul style="list-style-type: none"> • Describes possible sources of error? • Analyzes how significant these errors are? • States whether the suspected error source is random or systematic? • States how the errors will affect the results? | 4 | |
| Conclusion | <ul style="list-style-type: none"> • Explains how the results of the lab may be interpreted? • States important conclusions or results (value of a measured constant, proportionality relation, etc.)? | 3 | |
| | <ul style="list-style-type: none"> • Discusses how the results compare to the theory? | 3 | |
| | -->: Meets deadline for prelab and final report? | 5 | |
| | | Total: | |