

Lab Report Grading Form for Mr. Ronneberg's Classes

Lab title:	Name:
	Course:
Lab Partners:	Period:
	Form (circle one): SHORT LONG

**** SHORT form Lab – complete only the grey sections**

**** LONG form Lab – complete ALL sections**

**** Attach** this cover sheet to all lab reports. Before you turn the lab in ask yourself “Is this the highest quality work I am capable of doing?”. Assign points in the column labeled “Student Points”.

Report Element	Grading Criteria	Possible Points	Student Points	Instructor Points
Presentation	Neat, easy to read, scientific writing style. Each section is labeled and in the correct order. Title clearly describes the experiment being performed.	0 – 2		
Purpose	States the central concept or relationship being investigated in complete sentences. Includes independent and dependent variables when appropriate.	0 – 2		
Hypothesis	States the expected outcome or relationship between variables. Is testable. Includes some reasoning for the hypothesis.	0 – 2		
Materials and Procedure	Materials list is complete. Procedure includes a clear, labeled drawing of the experimental setup and step-by-step directions for carrying out the experiment.	0 – 2		
Data Collection	Data tables are organized neatly and logically. They contain ALL relevant data. Columns/rows have labels and units.	0 – 2		
Data Analysis	Graphs: <ul style="list-style-type: none"> • are clearly drawn on graph paper (or computer, if appropriate) • have a title, and axes are labeled and include units. • Best Fit line is clearly drawn and slope or equation of line is included. Intercepts are labeled. Calculations: Show all work on one sample for each type of calculation, including equation and units.	0 – 4		
Conclusions	Tell whether data analysis supports or refutes hypothesis. Explain the meaning of the graph(s) in words, including shape of curve, equation, slope, and intercepts as appropriate. Compare results with expected results, accepted results, or class results.	0 – 4		
Error Analysis	Lists possible sources of systematic and random error. Speculate on the possible effects on data and the relative effect size for of each source of error. Suggest revisions to experiment or further study that would help eliminate sources of error. Calculate percent error/difference if appropriate.	0 – 2		
Total Points	Long form (20 pts) Short form (12 pts)	20 or 12		

Evaluate your work overall in the space below (continue on back if necessary). Be sure to include:

- 1 thing you/your group did well during this lab or in writing the report
- 1 thing you or your group could have improved upon.
- (some examples might be: group work strategies, data collection, limiting/identifying sources of error, clarity of writing, quality of analysis/graphs/error analysis etc.).
