

Lab Write-up Checklist

Galileo School Physics 2017-2018

Formats (4 points)	1. Group number, names, title of experiment, period; date of lab (1pt) 2. Each section clearly labeled, neat and organized in order (3pts)	1. _____ 2. _____
Hypothesis/Purpose (5 points)	1. Necessary background and clear statement (3pts) 2. Independent and dependent variables clearly defined (2pts)	1. _____ 2. _____
Apparatus & Procedure (6 points)	1. Diagram drawn with all components labeled (2pts) 2. Clear and brief sequence of steps (3pts) 3. Control of variables (1pts)	1. _____ 2. _____ 3. _____
Data (8 points)	1. Measurements completed, organized into a neat table (5pts) 2. Variables & units clearly labeled (2pts) 3. Multiple trials (1pt)	1. _____ 2. _____ 3. _____
Evaluation of Data (15 points)	1. Graphical representations (7pts total) a. Variables on appropriate axes with correct units (2pts) b. Correct data graphed, best fit line, quality of results (3pts) c. Calculations correct (2pts) 2. Interpretation of graphs (8 points total) a. Mathematical model correct for data, including slope, intercept, variables and units (4pts) b. Written statement of relationships (2pts) c. Regression analysis of results (2pts)	1. _____ 2. _____
Conclusions (12 points)	Written explanation (proper English sentences), including: 1. Relationships between variables (2pts); 2. Meaning of slope (2pts); 3. Significance/meaning of any intercepts(s) (2pts); 4. General equation Resulting from math Model and its Meaning (2pts) 5. Reasonable explanation for divergent results, inconsistencies, problems, and/or recommendations (4pts)	1. _____ 2. _____ 3. _____ 4. _____ 5. _____
Group Performance (2 points max)	Everyone in the team has completed the lab and turned in a lab report (2 point extra credit group lab turned in on time). <i>Lab evaluation and conclusions must be each individual's own work.</i>	_____ -
Total	Out of a possible 50 (extra credit may raise score above 50)	_____ -

Lab write ups are **NOT** to be copies or printed in whole or in part. It is strongly recommended you use the documents/handouts **only** to generate ideas, or as reference to explain physics necessary to complete your work.
STAPLE YOUR LAB REPORTS BEFORE TURNING THEM IN!