

Name _____ Period _____

Grading Rubric for:
La Report: Determining the Speed of a Marble While in Uniform Motion

Category:	5	3	1
Appearance/Organization	Lab report is neatly typed and uses headings to visually organize the material. Data tables have borders. It also includes a cover page and blank rubric is attached.	Lab report is neat and organized but does not include a cover page or rubric.	Lab report is neat but does not include headings or data tables do not have borders.
Spelling/punctuation & grammar	One or fewer errors in spelling, punctuation and grammar in the report.	Two or three errors in spelling, punctuation and grammar in the report.	More than 3 errors in spelling, punctuation and grammar in the report.
Purpose	Purpose is accurate and is clearly stated in your own words and is 1-2 sentences in length.	Purpose is too lengthy.	Your purpose does not make sense.
Drawings/Diagrams	Clear, accurate diagrams are included and make the experiment easier to understand. Diagrams are labeled neatly and accurately. The procedure is clearly understood by someone who has never done this lab before.	Diagrams are neat but do not include enough information to perform the lab.	Diagrams are very sloppy and/or very limited. You are missing necessary diagrams or labels.
Data	All tables are included ("First Attempt" and a table for each of your trials). Each table has a title and each column is labeled correctly with units.	You are missing one data table but the ones that are included are labeled correctly and titled.	One or more of your data tables are not titled or are not properly labeled.
Graphs	All of your graphs are included and they each have: a title, x-axis label with units, y-axis label with units, and best fit line. Excel was used to generate these graphs.	Your graphs have a title, are completely labeled with units, and have a best fit line but you did not use Excel to generate them.	Your graphs are incomplete due to missing a title or labels or units or best fit line. -OR- your graphs are titled and labeled but you connected the dots instead of drawing a best fit line.
Slopes	Your slopes are correctly calculated (either by using Excel or by calculating it yourself by hand). You have a slope for each graph in units of cm/s and m/s. Your slopes account for significant figures.	You only give your slopes in either cm/s or m/s but not both. -OR- Your slopes do not account for significant figures.	Your slopes are inaccurate. -OR- Your slopes are missing units.
Average Speed	Your average speed is correctly calculated using your slopes from your graphs. You listed your average speed in units of cm/s and m/s.	You only give your average speed in either cm/s or m/s but not both. -OR- Your average speed does not account for sig figs.	Your average speed is inaccurate. -OR- Your average speed is missing units.
Equation	You correctly determined your equation using your graph. It is in terms of d and t (not y and x). It includes the correct slope (the one with units of m/s). It accounts for sig figs.	Your equation is not in terms of d and t -OR- You wrote the equation with the slope in units of cm/s rather than m/s. -OR- Your equation does not	You did not correctly determine your equation.

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		account for sig figs.	
Conclusion	Your conclusion is 3-5 sentences in length and relates the lab to your purpose. It sums up how you accomplished your purpose.	Your conclusion does not sum up how you accomplished your purpose.	Your conclusion is too short and does not sum up how you accomplished your purpose.
Scientific Concepts	Report illustrates an accurate and thorough understanding of scientific concepts underlying the lab.	Report illustrates an accurate understanding of most scientific concepts underlying the lab.	Report illustrates inaccurate understanding of scientific concepts underlying the lab.
Participation	Used time well in lab and focused attention on the experiment.	Used time pretty well. Stayed focused on the experiment most of the time.	Did the lab but did not appear very interested. Focus was lost on several occasions.

Total Possible Points: 60

Points you earned: _____

Your Percentage: _____