

Name:

Block:

	Communication				
	0	1	2	3	4
Tables	No table	Data present but tables are poorly organized.	Data is organized into tables with proper units. Uncertainty and significant figures not present.	Tables are well organized. Columns have titles with appropriate units. Some sig. fig. and/or uncertainty issues.	Tables are well organized. Columns have titles with appropriate units. Proper significant figures are used for the data. Uncertainty is included.
Graphs	No graph		Graphs are present but are poorly drawn/untidy.	Graphs take up the whole page and are legible. A few minor components (see right) are missing.	Graphs take up the whole page and are legible. Graphs have titles and error bars. Axes are labelled with units. Where appropriate, equation of best fit line is included.
Analysis (calculations)	No analysis		Analysis is difficult to follow.	Minor mistakes and errors but generally clear.	Analysis is easy to follow and is communicated clearly.
Written Language	No conclusion		Conclusion is difficult to understand	Some issues that may impede understanding but overall message is clear.	Conclusion is clearly communicated with logical flow and is easy to understand.

	Analysis				
	0	1	2	3	4
Graphing	No graphs	Some errors in plotting.	Data points and error bars are well plotted.		
Linearization	Not linearized	Effort made to linearize.	Correctly linearized.		
Slope	No slope calculations	Slope calculations are present but may contain errors or is incomplete.	Correct slope calculations.		
Uncertainty	No max/min slopes	Max/min slope calculations are present but may contain errors or is incomplete.	Correctly does max/min lines and gets uncertainty in slope.		
Analysis/ Calculations	No calculations	Poor attempt at verifying the slope.	Reasonable attempt at verifying the slope, but errors may be present, or calculations are incomplete.		

	Conclusion/Evaluation				
	0	1	2	3	4
Conclusion	None		States general relationship using proper language.		
Linearization	None		States equation of graph with uncertainties.		
Slope	None		States value of slope from linearized graph with uncertainties		
Uncertainty	None		Compares measured value (calculated from slope verification) with "true value" and includes percent error.	Discusses and compares measured value (calculated from slope verification) with "true value" and includes percent error.	
Data Quality	None	Brief outline of data quality. No discussion.	Summarizes data quality.	Discusses data quality.	Discusses data quality correctly while referring to graph and/or other evidence/data collected from the lab.
Issues with the lab/Sources of error	None		Identifies issues or sources of error in the lab.	Identifies realistic issues based on problems with data.	Discusses realistic issues based on problems with data.
Suggested improvements	None	Makes suggestions to fix issues.	Makes realistic suggestions to fix issues.	Discusses realistic suggestions to fix issues.	

Comments:

Final mark: