

Inquiry Grading Rubric Scoring Guide

ASSESSMENT ID# _____

PROBLEM STATEMENT-15 Points		
The problem statement is appropriate (it is testable). (5 = appropriate to lab. 3 = testable, 1 = not)	5 3 1	
The problem statement is in question form		4
The entire experimental variable is circled, no more, no less		3
The entire dependent variable is underlined, no more, no less		3
PROBLEM STATEMENT SUBTOTAL		

PROCEDURE - 20 Points		
The procedure adequately tests the problem statement.* (6 = adequately/uses a standard, 4 = tests, 1) * Refer to data table if necessary	6 4 1	
The instructions state a control test		3
The instructions are controlled, and only one aspect is varied.(6 = more specific)	6 1	
The instructions include multiple tests. (different things/ at least three tests)		3
The instructions are written in a step-by-step detailed form. (detailed = materials listed) (list can be embedded)	2 1 0	
PROCEDURE SUBTOTAL		

HYPOTHESIS- 15 Points		
The hypothesis clearly predicts a relationship between the experimental variable and the dependent variable. (8 = clearly predicts, 5 = predicts, 1 = does not predict)	8 5 1	
The reasoning logically supports the prediction. (7 =logically supports, 4 = supports, 1 = does not) (externally linked to problem statement = 7 , internally logical = 4)	7 4 1	
HYPOTHESIS SUBTOTAL		

DATA - 15 Points		
The data collected are appropriate for the procedure		6
The quantitative data are organized into a table		3
The data include qualitative observations		6
DATA SUBTOTAL		

GRAPH - 15 Points		
The type of graph chosen is appropriate for the data		4
The graph reflects the relationship between the variables.* (11 = well labeled, 7 = shows relationship, 1 = no relationship) *Labels include scale, axis, & title. Includes a key if necessary	11 7 1	
GRAPH SUBTOTAL		

ANALYSIS AND CONCLUSION - 20 Points		
The conclusion supports or refutes the hypothesis (6 = stated, 4 = implied, 1 = does neither)	6 4 1	
The conclusion is valid and based on an analysis of the data (*6 = valid + analysis based, 4 = either)	6 4 1	
The relationship between the experimental and dependent variables is explained (problem statement)		6
Factors other than the experimental variable that may have influenced the result are discussed		2
ANALYSIS AND CONCLUSION SUBTOTAL		

*Refer to data table if necessary

ASSESSMENT TOTAL	
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