

Name: _____

Date: _____

Course: _____

Score: _____/70

Level: _____/4

CATEGORY	Performance Criteria	SCORING/COMMENTS	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4
K N O W L E D G E	Each lab report must fulfill the following criteria and will be evaluated according to the level of effort and completeness. PRELAB: <i>(Must be complete prior to the lab activity)</i> Completed? YES NO					
	Scientific Procedure: 1. State the purpose of activity. 2. A hypothesis is stated and explained (if required) 3. Materials and Procedures is outlined. 4. Safety Precautions Observations: 1. Observations are included in distinct section of the report and properly labelled, i.e. tables 2. Numerical data is included into tables and consistent use of units of measure	_____/20	<ul style="list-style-type: none"> Purpose of activity is stated An attempt to include materials and procedures An attempt at an hypothesis (if required) Minimal observations and/or are inaccurate Max Score: 12	<ul style="list-style-type: none"> Purpose of activity is stated materials and procedures are included statement of hypothesis (if required) observations are complete with major errors or lack detail Max Score: 14	<ul style="list-style-type: none"> Purpose of activity is clearly stated materials and procedures are included clear statement of hypothesis (if required) observations are complete with minor errors and/or detail is inconsistent Max Score: 16	<ul style="list-style-type: none"> Purpose of activity is clearly stated materials and procedures are included and changes noted clear and insightful statement of hypothesis (if required) observations are complete and correct Max Score: 20
T H I N K I N G	Using the knowledge you have gained from this lab/experiment; RESULTS - Analysis and Calculations: 1. Attempted to answer the assigned discussion questions. 2. Attempted to do all calculations completely and correctly. Conclusion 3. Attempted to formulate a conclusion that incorporates the hypothesis and observations	_____/20	<ul style="list-style-type: none"> An attempt to answer discussion questions Calculations are attempted Calculations are incomplete Most calculations are incorrect An attempt to formulate a conclusion Max Score: 12	<ul style="list-style-type: none"> Discussion questions are answered, but contain errors Sources of error are stated but not explained Calculations are complete Some calculations are incorrect Conclusion is stated but may not relate directly to results Max Score: 14	<ul style="list-style-type: none"> Discussion questions are answered with minor errors Sources of error are stated and an attempt to explain is included Calculations are complete Minor errors in calculations Conclusion relates directly to results Max Score: 16	<ul style="list-style-type: none"> Discussion questions are correctly answered Sources of error are stated and explained All calculations are correct and complete Conclusion relates directly to results and shows depth of understanding Max Score: 20
	P R E S E N T A T I O N	PRESENTATION: The report must have correct spelling and grammar in a standard report format (see handout). The lab report must also include a Title Page, with the following information: title; course; name; instructor; and date. Citations: Remember to cite any information sources including text or internet resources. <i>Refer to APA format information sheet.</i>	_____/15	The report is inappropriately formatted and the writing style is inadequate. Max Score: 8	The report is appropriately formatted but the writing style requires improvement. Max Score: 10	The report is appropriately formatted and written at an adequate level of understanding. Max Score: 12
A P P L I C A T I O N	Usually the overall outcome of any lab is how you conducted yourself during the lab and your effort in developing the visual interpretation of your observations; 1. Overall behaviour and attitude during the lab 2. All diagrams must be labelled properly with a title, name, date, and all relevant descriptors (including a legend if necessary) 3. All graphs must be labelled properly with a title, name, date, axes, units of measure and legend if required. 4. Accuracy in either diagrams and/or graphs is required of the visual interpretation(s).	_____/15	<ul style="list-style-type: none"> Diagrams are not labelled Graphs lack title and/or labels Graphs contain major errors in accuracy Limited effort during lab Max Score: 8	<ul style="list-style-type: none"> An attempt has been made to label diagrams Graphs are titled and axes are labelled Graphs lack accuracy Reasonable effort during lab Max Score: 10	<ul style="list-style-type: none"> Diagrams are clearly labelled, with minor errors Graphs contain title, labelled axes, and units of measurement Graphs contain minor errors in accuracy Adequate effort for lab Max Score: 12	<ul style="list-style-type: none"> Diagrams are clearly and correctly labelled Graphs contain title and clearly labelled axes and units of measurement Graphs are accurate Outstanding effort during lab Max Score: 15

Categories: K – Knowledge T - Thinking COMM – Communication APP – Application

Performance Indicators: Level 1 = below expected standard

Level 2 = lower range of expected standard

Level 3 = upper range of expected standard

Level 4 = beyond the expected standard

