



Balwyn High School



Experiment Report Cover Sheet

TITLE: _____

DUE DATE: _____ **SUBMITTED:** _____

NAME: _____ **FORM:** _____

	S			NYS
AIM	Statement of Aim	The purpose of the practical question to be answered during the experiment is clearly identified and stated.	The purpose of the practical question to be answered during the practical is identified, but is stated in a somewhat unclear manner.	The purpose of the practical question to be answered during the practical is erroneous or irrelevant.
	Hypothesis Formation	Hypothesized relationship between predicted results is clear and reasonable based on what has been studied.	Hypothesized relationship between predicted results is reasonable based on general knowledge and observations.	No hypothesis has been stated.
	Materials	All materials and the setup used in the experiment are clearly and accurately described.	Almost all materials and the setup used in the experiment are clearly and accurately described.	Many materials are described inaccurately or are not described at all.
	Drawings/Diagrams	Clear, accurate diagrams are included and make the experiment easier to follow and accurately.	Diagrams are included and are labeled neatly and accurately.	Needed diagrams are missing OR are missing important labels.
	Method	Procedures are listed in a logical order, but are not numbered and/or are not in complete sentences.	Procedures are listed in a logical order, but are not numbered and/or are difficult to follow.	Procedures do not accurately list the steps of the experiment.
	Experimental Design	Experimental design is a well-constructed test of the stated hypothesis.	Experimental design is adequate to test the hypothesis, but leaves some unanswered questions.	Experimental design is not relevant to the hypothesis.
PRESENTATION	Organisation	Information is very organized with clearly developed flow between ideas and concepts.	Information is organized but no flow between concepts.	The information appears to be disorganized.
	Language Mechanics	No grammatical, spelling or punctuation errors.	Almost no grammatical, spelling or punctuation errors.	Many grammatical, spelling or punctuation errors.

Key: Fields in white are graded. Fields in Grey are SN only. Fields with white text are optional – choose whether or not it is appropriate to the experiment.

Grading:

Range	37-40	33-36	30-32	27-29	24-26	20-23	A ₁
Grade	Outstanding (A+)	Excellent (A)	Very Good (B+)	Good (B)	Competent (C)	Satisfactory (D)	Not Yet Satisfactory (NS)

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RESULTS	Data	Professional looking and accurate representation of the data in tables and/or graphs. Graphs and tables are labeled and titled.	Accurate representation of the data in tables and/or graphs. Graphs and tables are labeled and titled.	Accurate representation of the data in written form, but no graphs or tables are presented.	Data are not shown OR are inaccurate.
	Calculations	All calculations are shown and the results are correct and labeled appropriately.	Some calculations are shown and the results are correct and labeled appropriately.	Some calculations are shown and the results labeled appropriately.	No calculations are shown OR results are inaccurate or mislabeled.
	Scientific Concepts	Report illustrates an accurate and thorough understanding of scientific concepts underlying the practical.	Report illustrates an understanding of most scientific concepts underlying the practical.	Report illustrates a limited understanding of scientific concepts underlying the practical.	Report illustrates understanding of scientific concepts underlying the practical.
THEORY	Background Sources	Several reputable background sources were used and cited correctly. Material is translated into student's own words.	A few reputable background sources are used and cited correctly. Material is translated into student's own words.	A few background sources are used and cited correctly, but some are not reputable sources. Material is translated into student's own words.	Material is directly copied rather than put into student's own words and/or background sources are cited incorrectly, or no sources are given.
	Variables	All variables are clearly described with all relevant details.	All variables are clearly described with most relevant details.	Most variables are clearly described with most relevant details.	Variables are not described OR the majority lack sufficient detail.
	Analysis	As per prior and predictions are made about what might happen if part of the practical were changed or how the experiment design could be changed.	The relationship between the variables is discussed and trends/patterns logically analyzed.	The relationship between the variables is discussed but no patterns, trends or predictions are made based on the data.	The relationship between the variables is not discussed.
DISCUSSION	Error Analysis	Experimental errors, their possible effects, and ways to reduce errors are discussed.	Experimental errors and their possible effects are discussed.	Experimental errors are mentioned.	There is no discussion of errors.
	Conclusion	Conclusion includes whether the findings supported the hypothesis, possible sources of error, and what was learned from the experiment.	Conclusion includes whether the findings supported the hypothesis and what was learned from the experiment.	Conclusion includes what was learned from the experiment.	No conclusion was included in the report OR shows little effort and reflection.
CONCLUSION	Summary	Summary describes the skills learned, the information learned and some future applications to real life situations.	Summary describes the information learned and a possible application to a real life situation.	Summary describes the information learned.	No summary is written.