

Analysis/Conclusion

<i>Trait</i>	<i>Excellent</i>	<i>Satisfactory</i>	<i>Unsatisfactory</i>	<i>No Credit</i>
I.	Evaluation of hypothesis: 1. Accurately incorporates qualitative and quantitative experimental results, including graphs, when appropriate. 2. Accurately explains how the experimental variable affected each dependent variable. (12 – 15 pts)	Evaluation of hypothesis includes only one of the “excellent” criteria or the hypothesis is inaccurately discussed. (9 – 11 pts)	Evaluation of hypothesis includes only one of the “excellent” criteria and the hypothesis is inaccurately discussed. (5 - 8 pts)	The hypothesis is not evaluated. (0 pts)
II.	The source of error, random or systematic, is clearly stated. and effect of error on experimental results is accurate, reasonable (4 – 5 pts)	Effect of error on results lacks detail and/or the source of error, random or systematic, is unclear. (2 – 3 pts)	Effect of error on results is inaccurate and/or no distinction is made between random and systematic error. (1 pt)	No discussion of the effect of error on results is given. (0 pts)
III.	Realistic suggestions to improve the investigation are clearly explained including explanation of how the data collected would be improved by the changes. (4 – 5 pts)	Suggestions to improve the investigation are stated but lack specific details or explanation of how the data would be improved is missing. (2 – 3 pts)	Suggestions to improve the investigation are vague and/or unrealistic. (1 pt)	No suggestions to improve the experiment are given. (0 pts)
IV.	Currently accepted scientific principles are compared to the results and demonstrate a thorough understanding of the relevance of the experimental data. (12 – 15 pts)	Currently accepted scientific principles are compared to the results but demonstrate only a limited or inaccurate understanding of the relevance of the data. (9 – 11 pts)	Currently accepted scientific principles are compared to the results but demonstrate a poor understanding of the relevance of the data. (5 – 8 pts)	Experimental results are not compared with currently accepted scientific principles. (0 pts)
V. Mechanics		Proper grammar, spelling, capitalization and punctuation are used throughout. Context and wording are appropriate for the content of the course. Errors are minimal. (5 pts)	Proper grammar, spelling, capitalization and punctuation are used throughout, but errors are a distraction to the reader. (3 pts)	Mistakes in proper grammar, spelling, capitalization and punctuation make the introduction difficult to read and interpret and/or not word-processed. Assignment not graded.
VI.	Properly cited parenthetical references meet both the criteria of the assignment and follow <i>Writer’s Inc.</i> format. (5 pts)	References are present but are either cited incorrectly or do not meet the criteria of the assignment. (3 - 4 pts)	References are present but are cited incorrectly and do not meet the criteria for the assignment. (1- 2 pts)	No cited references are present. (0 pts)
VII.	Works Cited is aligned with cited references and follows appropriate format. (5 pts)	Works Cited does not follow appropriate format or is not aligned with cited references. (3 – 4 pts)	The Works Cited does not follow format and is not aligned with cited references. (1 – 2 pts)	No Works Cited is present Assignment not graded.

Comments:

Score _____ / 55 pts