

Problem Statement

<i>Trait (Target)</i>	<i>Excellent</i>	<i>Satisfactory</i>	<i>Unsatisfactory</i>	<i>No Credit</i>
I.	The purpose of the investigation is accurately stated <u>and</u> demonstrates a thorough understanding of the experiment. (5 pts)	The purpose of the investigation is accurate but lacks details showing a clear understanding of the experiment. (3 – 4 pts)	The purpose of the investigation is inaccurate and/or demonstrates a poor understanding of the experiment. (1 – 2 pts)	The purpose of the investigation is missing. (0 pts)
II.	Dependant and independent variables are both correctly and completely identified. (5 pts)	Identification of either the dependent or independent variable(s) is incorrect or incomplete. (3 – 4 pts)	Dependent and independent variables are incorrectly identified and incomplete. (1 - 2 pts)	The variables of the experiment are not identified. (0 pts)

Hypothesis

<i>Trait</i>	<i>Excellent</i>	<i>Satisfactory</i>	<i>Unsatisfactory</i>	<i>No Credit</i>
III.	Expected outcome(s) are clearly stated and demonstrate a thorough understanding of experimental procedures. (5 pts)	Expected outcome(s) are stated clearly but demonstrate a lack of understanding of <u>some</u> experimental procedures. (3 - 4 pts)	Expected outcome(s) are generally stated and/or demonstrate a poor understanding of experimental procedures. (1 - 2 pts)	Expected experimental outcome(s) are not stated. (0 pts)
IV.	Explanation of how and why independent variable will affect each dependent variable shows a <u>thorough</u> understanding of the scientific principles involved in the investigation. (5 pts)	Explanation of how independent variable affects each dependent variable shows only a <u>limited</u> understanding of the scientific principles involved in the investigation. (3 - 4 pts)	Explanation of how independent variable affects each dependent variable shows a <u>poor</u> understanding of the scientific principles involved in the investigation. (1 - 2 pts)	No explanation of how the independent variable affects each dependent variable is given. (0 pts)

V.		Proper grammar, spelling, capitalization and punctuation are evident throughout. Errors are minimal. (3 pts)	Proper grammar, spelling, capitalization and punctuation are evident but errors are a distraction to the reader. (1 -2 pts)	Errors in grammar, spelling, capitalization and punctuation make the hypothesis difficult to read and interpret or not word-processed. <u>Section not graded</u> <u>Rewrite may be required!</u>
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Comments:

Score _____ / 23 points