

## ABIOTIC/BIOTIC FACTOR GRADING RUBRIC

Section	0	2	3	4	5	Score
<b>Purpose</b>	Not present/ completed	Link between independent and dependent variable vaguely stated.	Link between independent and dependent variable somewhat stated.	Link between independent and dependent variable clearly stated.		x 0.5 = /2
<b>Hypothesis</b>	Not present/ completed	Unreasonable link between problem and results. Hypothesis vaguely stated, and expected results not mentioned.	Somewhat reasonable link between problems and results. Hypothesis somewhat clear, expected results vaguely mentioned.	Link between problem and results relevant. Hypothesis and expected results clearly stated.		x 0.5 = /2
<b>Materials</b>	Not present/ completed	Some required materials listed.	All required materials listed.			x 1 = /3
<b>Procedure</b>	Not present/ completed	Procedure vaguely stated with sections missing. First person used. Several s/g errors.	Procedure somewhat clearly stated. First person used. Some s/g errors.	Procedure clearly stated. Third person used. Few s/g errors.	Procedure very clearly stated and easy to follow. Third person used. No s/g errors.	x 1 = /5
<b>Results</b>	Not present/ completed	-Data collected sporadically, large sections missing.  -Graph incomplete, missing sections of data.	-Some data points missing, large chunks of data rounded and inconsistent.  -Graph not suited for information, graph difficult to read.	-All data points present, some data rounded or inconsistent.  -Graph present, graph style well chosen, some data difficult to read.	-All data points (minimum three) present, data measured meticulously.  -Graph present, graph style well chosen, data easy to read.	x 1 = /5  x 1 = /5

Section	0	2	3	4	5	Score
<b>Conclusion</b>	Not present/ completed	Vaguely accepts of rejects hypothesis. Does not use data from observations table to back up conclusions. Does not explain errors and makes no suggestions for improvements.	Somewhat clearly accepts of rejects hypothesis. Does not use data from observations table to back up conclusions. Vaguely explains errors but makes no suggestions for improvements.	Clearly accepts of rejects hypothesis. Uses some data from observations table to back up conclusions. Vaguely explains errors but makes no suggestions for improvements.	Clearly accepts of rejects hypothesis. Uses data from observations table to back up conclusions. Explains errors and makes suggestions for improvements.	x 2 = /10
Experimental Design	Not present/ completed	Experiment is poorly designed. Poor choice of independent variable and inappropriate measurement of dependent variable.	Experiment is somewhat well designed. Choice of independent variable somewhat original and measures mildly appropriate dependent variable.	Experiment is well designed. Thoughtful choice of independent variable and measures somewhat appropriate dependent variable.	Experiment meticulously designed. Thoughtful choice of independent variable and measures appropriate dependent variable.	x 1 = /5

TOTAL: /37