

Student Plant Research Projects

Names _____

Hour _____

Group #: _____

Plant Project Rubric

1. Experimental Design Diagram:

Title: Includes IV & DV	3	_____
Hypothesis: Logical	3	_____
Materials: Complete list	3	_____
IV: Accurate	3	_____
Levels of IV: Accurate	4	_____
Repeated Trials: Accurate	3	_____
Dependent Variable: Defined	3	_____
Constants: At least 3	3	_____

2. Procedure: List of steps

a. Complete with type of container (material, size, shape, number of holes, etc.), type of seed, depth it was planted, type & amount of planting medium (soil), amount of water or other substance, any other information for your experiment.	15	_____
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Data Table

15	Dependent variable defined, date of data listed, units of measurement included, accurate title including IV & DV, data recorded	
12	Only 4 of the five listed above	
9	Only 3 of the five listed above	
6	Only 2 of the five listed above	
3	Only 1 of the five listed above	15 _____

Graph

- 15 Has an appropriate title, axes & key labeled, scale is appropriate, points plotted correctly, curve is appropriate
- 12 Only 4 of the five listed above
- 9 Only 3 of the five listed above
- 6 Only 2 of the five listed above
- 3 Only 1 of the five listed above
- 0 No graph

15 _____

Conclusion

- 20 All 7 things present:
Purpose, major findings consistent with the data, was the hypothesis supported by the data, explanations, recommendations for further study, problems and improvements, what you learned about science
- 18 6 of the 7 things listed
- 15 5 of the 7 things listed
- 12 4 of the 7 things listed
- 9 3 of the 7 things listed
- 6 2 of the 7 things listed
- 3 1 of the 7 things listed

20 _____

Spelling, Grammar, Neatness

- 5 Grammar & Spelling Correct, Neat
- 4 Minor mistakes, Neat
- 3 Some mistakes, somewhat messy
- 2 Some mistakes, messy
- 1 Major mistakes, messy

5 _____

Delivery at the Scientific Convention

- 5 Polished performance
- 4 Minor mistakes
- 3 Somewhat disorganized
- 2 Many mistakes, disorganized
- 1 Poor performance
- 0 No delivery

5 _____

TOTAL 100 _____