

Name \_\_\_\_\_ Date \_\_\_\_\_

### Rubric for Radish Plant Lab

Score	Well Done	Unaccep table attempt	No attempt
<b>Title</b> of Investigation	5		0
<b>Purpose:</b> Reason for Investigation	5		0
<b>Discussion</b>			
Paraphrase legitimate sources used to develop hypothesis. What information informed your hypothesis	5		0
In text citation is used for paraphrased material	5		0
<b>Hypothesis:</b> is a specific, testable statement	5		0
Active ingredient is named and used in the hypothesis	5		0
<b>Materials list</b> includes product names, measurements and is specific and complete. This lab needs to be able to be reconstructed by other scientists in a different location. Is your materials list crystal clear?	5		0
<b>Procedure:</b>			
Clearly lay out procedure followed to conduct this experiment. Identified all specific steps in detail (remember this experiment should be able to be replicated precisely.	10		0
Identified all control variables	5		0
<b>Results</b>			
Graph with properly labeled x & y axes and title (2pts each)	6		0
Correct scales of axes (2 pts each)	4		0
Data chart complete	5		0
Written and quantified summarization of results	5		0
<b>Conclusion:</b> references the data to accept or reject hypothesis	5		0
<b>A Suggestion for future research</b> (What else would you like to investigate?)	5		0
<b>A Suggestion for improvement of experiment</b> (How could you improve the validity of this experiment)	5		0
<b>Bibliography</b> all sources used to develop this lab investigation	5		0
Presentation, order and neatness	10		0
<b>Total points out of 100</b>			<b>/100</b>

Name \_\_\_\_\_ Per. \_\_\_\_\_ Date \_\_\_\_\_  
Living Environment

## Experimental Design Matrix

Lab #	Title of the Experiment				
Purpose					
Specific Experimental Question					
Hypothesis					
Independent Variable					
Levels of Independent Variable					
Number of Trials					
Dependent Variable					
Controlled Factors (List at least 5)					
Explanation for why this should be considered a controlled experiment					

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### Formal Lab Write-up for Radish Plant Lab

Title	5	4	3	2	1
Hypothesis	5	4	3	2	1
Materials	5	4	3	2	1
Procedure	25	20	15	10	5
Results	10	8	6	4	2
Data Chart	10	8	6	4	2
Graph	10	8	6	4	2
Conclusion	30	25	20	15	10
Bibliography					
Total	100				

Final Grade \_\_\_\_\_

Peer Comments:

Courtsunis Comments


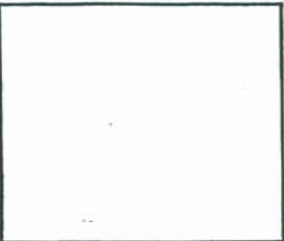




Name \_\_\_\_\_ Per. \_\_\_\_\_ Date \_\_\_\_\_

Living Environment


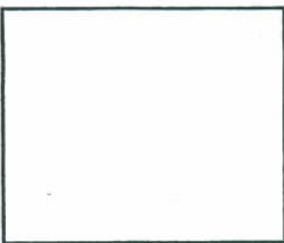




## Laboratory Report Scoring Rubric

Laboratory Number \_\_\_\_\_







### **REPORT ORGANIZATION:**

Title page is in correct format		
Title correctly summarizes report content		
Report is organized using correct subtitles		
Sources are correctly cited		
Works Cited section is organized correctly		







### **INTRODUCTION:**

Explains the purpose of the experiment		
Backs all statements of fact with a reference		
Defines specialized terms		
Provides background appropriate for explaining results		
States a specific problem or asks a specific question		


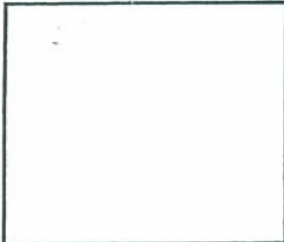



### **MATERIALS AND METHODS:**

Clear and concise, with appropriate level of detail		
Includes all relevant factors (materials, conditions, etc.)		
Procedure followed is clear and repeatable		
Procedure represents a controlled experiment		
Formulas are given		

### **RESULTS**

Summarizes findings without interpreting them		
Trends or patterns in data are indicated in words		
Words direct reader to figures by using figure numbers		
Data tables are correctly organized with captions		
Graphs are correctly organized with captions		

### **DISCUSSION**

Hypothesis is clearly stated		
Explains reasoning behind the hypothesis		
Compares expected results to actual results		
Explains unexpected results or states support for hyp.		
Suggests ways to test explanation of unexpected res.	