

Tallest Plant Inquiry Lab

Species Research

Common name:	
Scientific name:	

Experimental Design:

1. The purpose of the lab is to grow the _____ possible plant in 4 weeks
2. Create a good scientific question relating growing the tallest possible plant to your [independent variable](#).
3. Choose ONE independent variable that may help produce the _____ plant.
4. Create a [hypothesis](#)
5. Design a controlled experiment to test the hypothesis.
6. List materials and make sure to bring them to school. Make sure any materials you are planning on bringing in are approved by your teacher in advance.
7. Data will be collected over three weeks, and monitored every 2nd day (Monday, Wednesday, Friday)
8. Setup the experiment and don't forget to label each container with your **name** and **variable**!

Lab Report:

- Title page
- Scientific Question
- Hypothesis
- Variables (DV, IV, Controls)
- Materials
- Procedure (rough)
- Observations
- Table

- Graph
 - Sample Calculations
 - Conclusion
- Make sure to review the lab report checklist to ensure that you have completed all sections properly

Plant Lab Marking Scheme (Inquiry)

Scientific question relating to your plant	0	1	2		
Properly formatted hypothesis with good reasoning	0	1	2	3	
Experimental Design (including variables)	0	1	2	3	
Table	0	1	2	3	
Graph	0	1	2	3	
Sample calculations (average)	0	1	2		
Conclusion	0	1	2	3	4
 Total					 / 20