

Plant-A-Plant Review Investigation Plan

Investigation: Examine _____ as a limiting factor to plant growth.

Testable Research Question: _____?

Review Investigation Plan (Pre-lab)

- 1) Individually, begin by **answering the pre-lab questions on the *Student Laboratory Questions* sheet.**
- 2) As a group, **read the *Plant-a-Plant Laboratory Guide*** and discuss the experimental design.
 - a) **Identify and record the variables:** dependent, independent and constants.
 - b) **Determine which lab questions can be answered** as a result of the experiment. Use the *Student Laboratory Questions* sheet to assist you.
- 3) Briefly **examine the *Plant-a-Plant Laboratory Data Sheet*** to see what kind of data you will collect during the lab and what kinds of calculations you will make. (This should help inform your hypothesis.)
- 4) **Develop and record an experimental hypothesis.**

HYPOTHESIS:

- 5) Based on your discussions and lab procedures, **determine a location for your experiment.**
- 6) On a separate sheet of paper **create a group schedule** for plant cultivation, daily watering responsibilities, making and recording observations, etc.

Conduct Investigation

Prepare and perform the experiment using the *Laboratory Guide*, *Laboratory Data Sheet* and *Data Summary and Analysis Sheet* provided.