

Unit IV — Plant Growth

Student Handout

1. You will work individually to conduct a seed germination experiment comparing the differences in growth patterns based on the variable to which your plant seeds are exposed.
2. Your instructor will give you a variable (e.g., different light strength or color, media type, moisture level, fertilizer amount or type, etc.) for planting or caring for your seeds.
3. Before planting your seeds, hypothesize what will happen to your seeds based on the given variable. For example, address whether the plants will grow well or poorly and if the plants will have root system problems.
4. You will plant approximately 10 seeds (e.g., corn or beans) according to specifications and care for them.
5. You will develop a chart to record your plants' activity.
 - a. The chart will include a space at the top for writing your hypothesis before the experiment begins.
 - b. Each day you are in the classroom, you will examine your plants and record the activity (e.g., the height and appearance of the plant).
6. At the end of the experiment, you will write a short summary that presents your findings and evaluates how your hypothesis held up. The summary should at least cover the following topics:
 - General performance of the plants
 - What your variable was
 - What your initial hypothesis was and how it changed (if applicable)
 - Summary of the care you gave to the plants
7. Your final assessment score will be based on the overall content and presentation of the chart and summary. Spelling, grammar, punctuation, and capitalization will also be factors in the assessment.