

Commentary on Student Work

Student	Commentary
1	<p>Advanced This response describes the essential components of an experiment that will provide evidence to determine whether plant height is inherited or caused by getting more water. This response describes planting the same type of seed and treating the groups with different amounts of water. It includes a procedure that controls for at least one environmental factor other than water and collects data about plant height. The response also describe how the results can be used to draw a valid conclusion.</p>
4	<p>Proficient This response describe components of an experiment that will provide evidence to determine whether plant height is inherited or caused by getting more water, but the procedure controls for an environmental factor other than water.</p>
6, 7	<p>Basic Both responses describe components of an experiment that will provide evidence to determine whether plant height is inherited or caused by getting more water. The first response does not indicate controlling for at least one environmental factor other than water, or describe how the results can be used to draw a valid conclusion. The second response does not specify the types of seeds to plant, the data to collect, or how the results can be used to draw a valid conclusion.</p>
2, 8	<p>Below Basic Both responses describe one component of an experiment that will provide evidence to determine whether plant height is inherited or caused by getting more water. The first response describes treating the groups with different amounts of water. The second response describes collecting data about plant height.</p>
3, 5	<p>Unsatisfactory or Incorrect The first response provides a conclusion without experimentation. The second response describes some variables, but does not provide any details of an experiment.</p>