

Hypothesizing Rubric

When assessing students' understanding and ability to apply hypothesizing skills, consider if their experimental design:

<ul style="list-style-type: none"> <input type="checkbox"/> develops an insightful, testable hypothesis that considers all the variables involved and the relevant supporting evidence <input type="checkbox"/> questions the relevance of the hypothesis by considering the accuracy of the control and testing methods <input type="checkbox"/> communicates results of the experiment in a clear, accurate manner 	4
<ul style="list-style-type: none"> <input type="checkbox"/> develops a testable hypothesis that considers some of the variables involved and the relevant supporting evidence <input type="checkbox"/> considers the accuracy of the control and testing methods <input type="checkbox"/> communicates results of the experiment reasonably accurately 	3
<ul style="list-style-type: none"> <input type="checkbox"/> develops a testable hypothesis but needs teacher or peer help <input type="checkbox"/> considers some aspects of the problem <input type="checkbox"/> communicates results of the experiment in a partially accurate manner 	2
<ul style="list-style-type: none"> <input type="checkbox"/> develops an hypothesis that is confusing or untestable <input type="checkbox"/> uses a testing method that is weak or does not relate to the problem <input type="checkbox"/> communicates the experimental results incompletely 	1

