

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

<ul style="list-style-type: none"> <input type="checkbox"/> considers all aspects of the problem and makes a plan to solve it <input type="checkbox"/> carries out the plan creatively with testing and modification to solve the problem <input type="checkbox"/> modifies existing technology to solve a problem using creative solutions 	4
<ul style="list-style-type: none"> <input type="checkbox"/> identifies the problem and makes a plan to solve it <input type="checkbox"/> carries out the plan with testing and modification to solve the problem <input type="checkbox"/> modifies existing technology to solve a problem 	3
<ul style="list-style-type: none"> <input type="checkbox"/> attempts to identify the problem and make a plan to solve it <input type="checkbox"/> attempts to carry out the plan using different steps to solve the problem <input type="checkbox"/> attempts to make modifications to existing technology to solve a problem 	2
<ul style="list-style-type: none"> <input type="checkbox"/> features a confusing plan or does not identify a problem <input type="checkbox"/> features a weak testing method or method that does not relate to the problem <input type="checkbox"/> does not attempt modifications 	1

