

When assessing students' understanding and ability to conduct a fair test of an experiment, consider if the student:

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| <ul style="list-style-type: none"> <input type="checkbox"/> demonstrates a thorough understanding of variables and controls and is able to list all possible variables in an experiment <input type="checkbox"/> can suggest a list of creative experiments where variables can be identified <input type="checkbox"/> ensures that experiments performed are tested fairly | 4 |
| <ul style="list-style-type: none"> <input type="checkbox"/> is able to list the variables that can be changed in an experiment <input type="checkbox"/> can suggest a list of experiments where variables can be identified <input type="checkbox"/> is able to report on the fairness of an experiment | 3 |
| <ul style="list-style-type: none"> <input type="checkbox"/> is able to list some of the variables that can be changed in an experiment <input type="checkbox"/> can suggest a few experiments where variables can be identified <input type="checkbox"/> is able to explain some aspect of the fairness of an experiment | 2 |
| <ul style="list-style-type: none"> <input type="checkbox"/> is unable to identify the variables of an experiment <input type="checkbox"/> is unable or incorrectly suggests experiments where variables can be identified <input type="checkbox"/> does not consider fair testing of an experiment | 1 |

