

Name \_\_\_\_\_

Date \_\_\_\_\_

## Trebuchet Lab Rubric

Total Points Earned \_\_\_\_\_ / 100

Letter Grade \_\_\_\_\_

<b>Title Page</b>	_____ / 5pts
Full page, properly formatted	
<b>Abstract</b>	_____ / 5 pts
Full summary, single paragraph, no details	
<b>Introduction</b>	_____ / 15 pts
Historical/ contextual information	_____ / 5pts
Reference to previous research	_____ / 2pts
Good explanation of purpose for reseach	_____ / 8 pts
<b>Hypothesis</b>	_____ / 5pts
Written in an if/ then format, references independent & dependent variables	
<b>Materials</b>	_____ / 5pts
Comprehensive bulleted list of materials needed for lab	
<b>Procedure</b>	_____ / 10 pts
Coherent, sequenced steps for completing the testing of the trebuchet before modifications	_____ / 4pts
Complete description of the modifications made to the trebuchet	_____ / 2pts
Coherent, sequenced steps for completing the testing of the trebuchet after modification.	_____ / 4pts
<b>Results</b>	_____ / 30 pts
Summary explains data	_____ / 5 pts
Data is in neat and orderly tables	_____ / 10 pts
Data is also shown in scatter plots graphs w/ x and y labels and a best fit line	_____ / 20 pts
Tables and graphs are numbered appropriately	_____ / 5pts

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<b>Conclusion</b>	<b>_____ / 25pts</b>
States clearly if the data supports the hypothesis	_____ / 5 pts
Cites specific data to justify and support first statement	_____ / 5 pts
Offers a clear explanation of why the scientific principles that influenced the outcome of the experiment	_____ / 10 pts
Offered suggestions for further research or ways to improve the experiment	_____ / 5 pts
<b>Total</b>	<b>_____ / 100 pts</b>