Title of Experiment 1: ____________________________ Name: ______________

Wild Guess Question: __________________________________________ Wild guess: ______________

What questions do you have about the wild guess scenario?
........................................................................................................................................................................
........................................................................................................................................................................

Research Question:
........................................................................................................................................................................
........................................................................................................................................................................

Hypothesis: Graph form: In Words:
........................................................................................................................................................................
........................................................................................................................................................................

IV: ____________________________
DV: ____________________________

Controls: ____________________________

Procedure:

What will affect how far the ball rolls in 5 seconds? List as many specific aspects of the set up that might change things, and explain how you think they will affect the experiment.

___________________________________________ How will it affect the experiment? ____________________________

___________________________________________ How will it affect the experiment? ____________________________

___________________________________________ How will it affect the experiment? ____________________________

___________________________________________ How will it affect the experiment? ____________________________

___________________________________________ How will it affect the experiment? ____________________________

___________________________________________ How will it affect the experiment? ____________________________

___________________________________________ How will it affect the experiment? ____________________________

___________________________________________ How will it affect the experiment? ____________________________

List the materials you have available for this experiment:
Using your list of things that affect the experiment, write a procedure that another group could follow and make the set up the same as yours. Use detailed pictures and words to explain how to set up the experiment.

Considering the original research question, explain how you will take the measurements needed to determine the relationship between the experimental variables. Use detailed pictures and words to explain how to take the data for the experiment.
<table>
<thead>
<tr>
<th>Data:</th>
<th>Value of Controls:</th>
<th>Qualitative Data:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Equation: 

\[ \text{________________________} - \text{________________________} = \text{________________________} \]

Graph:

![Graph](image-url)
Conclusion:______________________________________________________________________________________________
______________________________________________________________________________________________
______________________________________________________________________________________________
______________________________________________________________________________________________
______________________________________________________________________________________________

Research Extension Question: ________________________________________________________________

Self-Evaluation:

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Reflection on procedure:

Now that you are done with the experiment, what would you do differently if you were to do it again? Why?
______________________________________________________________________________________________
______________________________________________________________________________________________
______________________________________________________________________________________________
______________________________________________________________________________________________
______________________________________________________________________________________________
______________________________________________________________________________________________