

Name: _____ Date: _____ Section: _____

Lab Report Conclusion Paragraph

1 Restate the question –	The question investigated in this experiment was...
2 Restate the hypothesis -	It was hypothesized that...
3 Was the hypothesis correct or incorrect?	The results of this experiment prove this hypothesis (correct/incorrect).
4 State the conclusion (what is the answer the question?)	
5 Support the conclusion with specific data (refer to the numbers in your tables and graphs)	
6 Give <i>at least two</i> supporting statements about the validity of the results (what were your sources of error in your experiment?)	These results may not be valid because... 1. 2.
7 Give <i>at least two</i> supporting statements about how to improve the experiment (what would you do differently if you did the experiment again?)	When performing this experiment again, it will be important to... 1. 2.
8 State how this information can be applied to the real-world (how can it help you or others?) AND/OR any related experimental questions that you would investigate in the future	

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Lab Report Conclusion Paragraph

Sample Conclusion Paragraph: Ball Bounce Height Experiment

The problem investigated in this experiment was what is the effect of ball type on the bounce height? **It was hypothesized that** if bouncy, ping-pong, racquet, tennis, soft, and wiffle balls were bounced, they would bounce at different heights because they are made with different materials. **The results of this experiment prove this hypothesis** correct. **According to the results,** the different types of balls did bounce to different heights; the softball bounced the highest, followed by the racquet, bouncy, tennis, ping-pong and wiffle ball. **This can be concluded because** the softball bounced to an average height of 72 cm, while the racquet, bouncy, tennis, ping-pong, and wiffle balls bounced to 68 cm, 65 cm, 57 cm, 55 cm, and 48 cm respectively.

These results may not be valid because 1) it was difficult to accurately determine to what height the ball bounced and **2)** to accurately determine the starting height of each ball. **When performing this experiment again, it will be important to 1)** use a video-camera to record the ball's bounce and pause the video to measure the ball's bounce height and **2)** to release the ball from a table or counter each time. In the future, one could investigate how the force applied to a ball affects its bounce height.

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Sample Conclusion Paragraph: Paper Towel Experiment

The problem investigated in this experiment was which paper towel, Bounty, Brawny, or Scott, absorbs the most water? **It was hypothesized that** if Bounty, Brawny, and Scott paper towels were tested for absorbency, then Bounty would absorb the most water. **The results of this experiment prove this hypothesis** only partially correct. **According to the results,** both Bounty and Brawny paper towels absorbed the most water. **This can be concluded because** Bounty and Brawny absorbed 236 and 237 drops of water, whereas Scott only absorbed 203 drops of water. **These results may not be valid because** **1)** the number of drops that came out of the eyedropper was not consistent and **2)** the same technique from measuring water absorption was not used for all trials. **When performing this experiment again, it will be important to** **1)** release water from the eyedropper slower and more carefully and **2)** to use the eyedropper technique for each trial. These experimental results suggest that consumers looking for absorbent paper towel should purchase either Bounty or Brawny over Scott.