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_____ ____ Investigation 2.3 End Summary

In investigation 2.3, you experimented with the relationship between mass and speed. Review your results from the trials you performed with the steel ball and acrylic ball.

1. Fill in the masses of the balls that we recorded in our notes in the table below.
2. Calculate the average speed of all your trials for each ball. To do this, add up all of the speeds you calculated for the steel ball and divide by that number of trials you performed. Repeat this for the acrylic ball.

A DIFFERENCE IN MASS

Material	Mass	Average Speed
Stainless Steel Ball		
Acrylic Ball		

3. Discuss the results of the investigation with your group to answer the question “How does mass affect the motion of a ball if the force applied stays constant?” Write a well-developed paragraph answering the question. You must include data from your investigation to support your explanation.

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