

Name _____

Date Due _____

HOME/SCHOOL CONNECTION

Balls on Slopes

Design a controlled experiment using one or more balls on outdoor slopes, such as a driveway or a hill at a nearby park. Work with multiple variables including starting position, size/material of ball, and collision obstacle. You can measure speed and/or distance.

Question: How does the _____ affect the _____?

Describe your methods for how you will test your question below.

Do your experiment and collect data. Use the table below or attach a separate sheet.

	Trial 1	Trial 2	Trial 3	Average (mean)

What did you discover? Can you state the relationship between the tested variable (I.V.) and your results (D.V.)? Use the back of this sheet to state your claim. Be sure to use observations and evidence to support your claim.