

Galileo's Inclined Plane

Predict . . .

Will the marbles have a constant velocity? Why or why not?

How will the graph of this motion appear? **Sketch your prediction in the space below**

Test . . .

Create and carry out an experiment to collect data points to determine the motion of a marble down a ramp.

Analyze. . .

Plot your data points on a displacement versus time plot on a separate piece of graph paper.

Conclude. . .

Does your data set demonstrate constant velocity? Explain

Use your plot as evidence to explain why you concluded that your data set is or is not constant velocity.

Why do you think the results occurred? Use your experiment as evidence in your discussion.