

Galileo's Falling Objects

Predict . . .

Which object will hit the ground first?

What evidence can you present to support your prediction?

Test . . .

Devise and conduct an experiment where you can determine which object hits the ground first. Then carry out an experiment to determine the rate of acceleration for the falling objects.

Analyze . . .

Calculate the acceleration of the falling objects and plot your data points on a displacement versus time plot on a separate sheet of paper.

Conclude . . .

Does the data set represent constant velocity? Why or why not?

What conclusions can you draw about falling objects?