

C. Record the values for pressure, volume and temperature on the digital read-outs of the Control Bar window.

D. Observe the action in the Velocity Distribution window. Relate what you see with the behavior of the objects in the Gas Sample window.

Click the Pause button and sketch and label the graph in the space below.

E. Using the controls in the Control Bar window, fix Pressure as a dependent variable by clicking on its radio button. Change the volume of the container using the Volume slider bar and observe what happens to the pressure of the system. Also observe what happens in the Velocity Distribution window. Explain how the activity in the Gas Sample window accounts for your observations.

F. Collect five additional observations of volume/pressure relationships and record all of your data in the following table.

Data Table

Pressure	Volume
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

II. Data Analysis:

What patterns are shown in these data? It might be helpful to graph the data. Try to come up with an algebraic equation that expresses the pattern you found.

