FLINN SCIENTIFIC

Name_____

Elasticity of Gases Worksheet

Questions

1. Review the Boyle's law graph. What happened to the volume of air in the syringe as you increased the number of books?

2. Describe the shape of the graph.

3. How would you describe the relationship between the number of books (pressure) and volume?

4. Convert the number of books into an actual pressure value in Newtons/cm^2. Prepare a plot of V versus 1/P and describe the relationship. (Optional)

5. Review the Charles's law graph. What happened to the volume of air in the syringe as the temperature changed?

6. Describe the shape of the graph.

7. How would you describe the relationship between temperature and volume?