

CHAPTER 3	Investigation 3.A: The Relationship between the Pressure on and the Volume of a Gas Answer Key	BLM 3.2.3A
ANSWER KEY		

Answers to Analysis Questions

1. The manipulated variable is the pressure exerted on the gas. The responding variable is the volume of the gas.
2. P versus $1/P$ gives the straightest line.
3. As the weight added increased, the measured volume would have decreased to a greater extent.
4. A greater temperature results in a greater volume.
5. They are controlled variables since they were unchanged during the experiment.

Answers to Conclusion Question

6. Pressure and volume are inversely related (inversely proportional) to each other.