

At the beginning of a term is a good opportunity to review writing a good lab report.

Read through the Ideal Gas lab instructions, then answer the following questions before you come to lab.

1. Often scientists use graphs to analyze and communicate their data. Whenever you present a graph, what is the minimum information you need to attach to that graph. Think about this carefully from the perspective of a demanding reader. What information would you consider absolutely necessary on every graph? List at least 3 pieces of information.

2. Graph the volume of a particular amount of a gas as a function of the pressure in the gas container, while the amount of gas and the temperature are held constant.

3. What is Avogadro's number? What does the number mean? Where does it come from? Give an example for a physics quantity that has a similar number value (but probably very different units)

4. What three graphs did you already sketch in your lab book before you came to lab?