**Ideal Gas Law Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

How many moles of a gas at 100°C does it take to fill a 1.00 L flask to a pressure of 1.50 atm?

How many moles of air are there in a 125 mL erlenmeyer flask if the pressure is 755 mm Hg and the temperature is 20°C?

What volume would be occupied by 100 g of oxygen gas at a pressure of 1.50 atm and a temperature fo 25°C?

On a warm day, an amusement park balloon is filled with 47.8 g of helium. The temperature is 33°C and the pressure in the balloon is 2.25 atm. Calculate the volume of the balloon.

A ten-liter gas cylinder contains 3.8 X 102 g of nitrogen. What pressure, in kPa, is exerted by the nitrogen at 25°C?

What mass of xenon gas is present in a 5L container at standard pressure and 30° Celsius?