

GAS LAWS WORKSHEET #1:

On a separate piece of paper or notebook, solve each problem. Show the equation used, identify what is given in the problem, substitute the values into the equation and carefully solve for the unknown. Express answers with units and correct significant figures. NAME THE GAS LAW YOU USED.

1. At what Celsius temperature will a gas occupy 45.9 L if, at STP the gas occupies 30.5 L? (constant pressure)
2. A 14.2 L sample of gas exerts a pressure of 125 kPa. What pressure will the gas exert if its volume is reduced to 8.53 L? (constant temperature)