

DATE:

NAME:

CLASS:

CHAPTER 4	The Ideal Gas Law and Gas Density Problems	BLM 4.2.2
ASSESSMENT		

1. Within a gas thermometer, the pressure is 113.30 kPa. If there is 20.0 g of gas in the thermometer and the volume of the gas is 0.50 L at 295 K, determine the density of the gas if the temperature drops to 273 K. (The pressure will stay constant.)
2. The density of a gas is found to be 1.61 g/L at 30 °C and 110 kPa. What is the molar mass of this gas?
3. What is the density of neon gas (in g/L) at SATP?