

DATE:

NAME:

CLASS:

CHAPTER 4	Ideal Gas Law Problems	BLM 4.2.1
ASSESSMENT		

1. A sample of 4.25 moles of hydrogen at 20.0 °C occupies a volume of 25.0 L. What is the pressure of this sample?
2. What volume will 30.0 g of NO (g) occupy at 3.26 atm and 19.0 °C?
3. What is the temperature of 45.3 g of ammonia gas if it occupies 64.2 L at 150 kPa?
4. What mass of sulfur trioxide is present in a 4.8 L container at 55 °C and 150 kPa?

