Name

Date

Period

**More Molar Conversions**

1. How many moles are in 89.6 L Ne ?

 How many moles are in 594 L C2H6

 How many moles are in 5.42L F2 ?

1. A cylinder of O2 gas occupies a volume of 60.50 L at STP. How many grams of oxygen gas are in the cylinder?
2. A cylinder contains 115.85 grams of N2 gas at STP. What is the volume (L) of the gas?
3. A tank is filled with Ne gas at STP. The tank has a capacity of 18.0 L. How many grams of Ne are in the tank?
4. Assume that 3,212.35 grams of Cl2 gas are contained in a cylinder. If the gas were to be released from the cylinder, what volume (L) will it occupy at STP?
5. How many atoms are in 1 mole of NaBr?
6. How many molecules are in 5 moles of Na2CO3?
7. How many atoms are in 4 moles of Carbon?
8. How many moles are 6.022 x 1023 atoms of sodium?
9. How many moles are 12.044 x 1023 molecules of water?
10. How many molecules are in 10 grams of H2O?
11. How many molecules are in 20 grams of CO2?