General Chemistry
Mr. MacGillivray
Quiz #26:
Gas Laws II

Solve the following problems. Show all work.

1. If helium gas is collected over water at 20.0 °C and the total pressure of collected gas is 762 mm Hg, find the pressure of the dry He gas.

2. What is the volume of 10.0 g of chlorine gas (it's diatomic!!) at 215 K and 135 kPa?

3. What is the density of chlorine (it's diatomic!!) gas at STP?

4. Which effuses more quickly, chlorine gas (it's diatomic!!) or Xe gas? How many times more quickly?