Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ WS Gas Density and Molar Mass

1. What is the density of CO2 at STP?
2. What is the density of CH4 at STP?
3. What is the molar mass of sulfur hexafluoride gas if the density is 22.4g/L at STP?
4. What is the molar mass of acetylene gas if the density at STP is 1.16g/L at STP?
5. What element has a mass of 32.8g and occupies 5.6L at STP?
6. Ozone is made of oxygen. What is the formula of ozone if 36g occupies 16.8L at STP?