Name				

- 1. What is the molar mass of Mg? 24.31
- 3. What is the molar mass of $(NH_4)_2S$? $2 \times 14.0) + 8 \times 1.008 + 32.07 = 68.15$
- 4. What is the mass of 2.50 mol of Mg? $2.50 \text{ mol} 1 + \frac{34.31}{\text{mul}} ? = 60.89$
- 5. How many moles of NaCl are in 125 g of NaCl? 22.49 + 35.45 = 58.44 $\frac{125g}{58.44} \frac{1}{58.44} = 2.14 \text{ mol}$ 6. What is the mass of 3.50 mol of Cl_2 ? $2 \times 35.45 = 70.9$
 - 3.5 mol | 70.9 9 = (248 9)
- 7. How many moles of CH₄ are in 3.38 x 10^{12} grams of CH₄? $12.01 + 4 \times 1.008 = 16.04$ 3.38 x 10^{12} g 1 + mol = 2.11×10^{11} mol 8. How many moles of CO₂ are in 225 g of CO₂? $12.01 + 3 \times 16 = 44.01$
- 8. How many moles of CO₂ are in 225 g of CO₂? 12.01+ $3 \times 16 = 44.0$ $\frac{225311 \text{ mol}}{44.013} = 5.11 \text{ mol}$
- 9. How many moles of H_2O are in 125 g of H_2O ? $2 \times 1008 + 16 = 18,02$ $\frac{|25g| |m_0|}{|18,02g|} = 6.94 \text{ mol}$
- 10. How many moles of H₂O are in 125 g of H₂O?