

Mole Conversions: In Class Practice

1. How many grams is 2.0 mol of H_2O ?

What is the molar mass of H_2O ? _____ g/mol

$$\text{X} \quad \underline{\hspace{2cm}} \quad =$$

2. How many moles is 82.0 grams of CH_4 ?

What is the molar mass of CH_4 ? _____ g/mol

$$\text{X} \quad \underline{\hspace{2cm}} \quad =$$

3. How many moles is 56.04 grams of N_2 ?

What is the molar mass of N_2 ? _____ g/mol

$$\text{X} \quad \underline{\hspace{2cm}} \quad =$$

4. What is the mass of 1.50 moles of CO_2 ?

What is the molar mass of CO_2 ? _____ g/mol

$$\text{X} \quad \underline{\hspace{2cm}} \quad =$$

5. You have 17.0 g of PH_3 . How many moles do you have?

What is the molar mass of PH_3 ? _____ g/mol

$$\text{X} \quad \underline{\hspace{2cm}} \quad =$$