

Name \_\_\_\_\_ Date \_\_\_\_\_

## Mole Conversions Practice

You have 17.0 g of  $\text{PH}_3$ . How many moles do you have?  
What is the molar mass of  $\text{Ph}_3$ ? \_\_\_\_\_ g/mol

How many grams is 2.0 mol of  $\text{H}_2\text{O}$ ?  
What is the molar mass of  $\text{H}_2\text{O}$ ? \_\_\_\_\_ g/mol

How many moles is 82.0 grams of  $\text{CH}_4$ ?  
What is the molar mass of  $\text{CH}_4$ ? \_\_\_\_\_ g/mol

What is the mass of 1.50 moles of  $\text{CO}_2$ ?  
What is the molar mass of  $\text{CO}_2$ ? \_\_\_\_\_ g/mol

How many moles is 56.04 grams of  $\text{N}_2$ ?  
What is the molar mass of  $\text{N}_2$ ? \_\_\_\_\_ g/mol