

**Moles Problems  
Worksheet**

- 1) How many moles of acetic acid,  $\text{CH}_3\text{COOH}$ , are contained within 24.71 g of acetic acid?
- 2) How many moles of sodium carbonate,  $\text{Na}_2\text{CO}_3$ , are contained by 57.3 g of sodium carbonate?
- 3) How many moles of sulfuric acid,  $\text{H}_2\text{SO}_4$ , are contained by 157 g of sulfuric acid?
- 4) How many grams of  $\text{NaOH}$  are contained within 0.785 moles of  $\text{NaOH}$ ?
- 5) How many grams of  $\text{C}_6\text{H}_6$  are present in 12.7 moles of  $\text{C}_6\text{H}_6$ ?
- 6) How many grams of  $\text{CCl}_4$  are present in 2.67 moles of  $\text{CCl}_4$ ?
- 7) How many ethyne molecules are contained in 84.3 g of ethyne ( $\text{C}_2\text{H}_2$ )?
- 8) How many carbon atoms are contained in 84.3 g of ethyne ( $\text{C}_2\text{H}_2$ )?