

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

### Mixed 1 Step Practice Problems

1. How many grams of S are in 0.30 mole of sulfur?
2. How many moles of Cl are there in 45 g of Cl?
3. Change 34 g of lithium to moles of Li?
4. How many hydrogen atoms are in 3.14 mol of H?
5. How many grams HCl are in 3.4 moles of HCl?
6. How many molecules are in 2.79 mol of  $\text{NH}_3$ ?
7. What is the mass of  $\text{C}_3\text{H}_6\text{O}_2$  (in grams) in 5.20 moles of  $\text{C}_3\text{H}_6\text{O}_2$ .
8. How many moles of HF is  $1.29 \times 10^{24}$  molecules of HF?
9. How many moles of  $\text{SiH}_4$  are in 8.5 g of  $\text{SiH}_4$ ?
10. How many moles of NaBr are in  $7.36 \times 10^{24}$  formula units of NaBr?
11. How many atoms are in  $2.4 \times 10^{-4}$  moles of francium?