

## PERCENTAGE COMPOSITION

Name \_\_\_\_\_

Solve the following problems.

1. What is the percentage of carbon in  $\text{CO}_2$ ?

Answer: \_\_\_\_\_

2. How many grams of carbon are in 25 g of  $\text{CO}_2$ ?

Answer: \_\_\_\_\_

3. What is the percentage of sodium in NaCl?

Answer: \_\_\_\_\_

4. How many grams of sodium are in 75 g of NaCl?

Answer: \_\_\_\_\_

5. What is the percentage of oxygen in  $\text{KClO}_3$ ?

Answer: \_\_\_\_\_

6. How many grams of oxygen can be obtained from 5.00 g of  $\text{KClO}_3$ ?

Answer: \_\_\_\_\_

7. What is the percentage of silver in  $\text{AgNO}_3$ ?

Answer: \_\_\_\_\_

8. How many grams of silver can be recovered from 125 g of  $\text{AgNO}_3$ ?

Answer: \_\_\_\_\_

9. What is the percentage of gold in  $\text{AuCl}_3$ ?

Answer: \_\_\_\_\_

10. How many grams of gold can be recovered from 35.0 g of  $\text{AuCl}_3$ ?

Answer: \_\_\_\_\_

## Percentage Composition (II)

Find the percentage composition of each of the following compounds:

1. NaCl

2. HBr

3. KI

4. CO

5.  $\text{SO}_2$

6.  $\text{H}_2\text{Te}$

7.  $\text{K}_2\text{S}$

8.  $\text{AlI}_3$

9.  $\text{NH}_3$

10.  $\text{NH}_4\text{Br}$

11.  $\text{NaNO}_3$

12.  $\text{H}_2\text{SO}_4$

13.  $\text{Ca}(\text{NO}_3)_2$

14.  $\text{Sc}(\text{OH})_3$

15.  $\text{K}_3\text{PO}_4$

16.  $\text{Zn}_3(\text{PO}_4)_2$

17.  $\text{Fe}_3\text{O}_4$

18.  $(\text{NH}_4)_2\text{SO}_4$

19.  $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$

20.  $(\text{NH}_4)_2\text{Cr}_2\text{O}_7$

21. potassium bromide

22. cesium chloride

23. nitric oxide

24. hydroiodic acid

25. carbon dioxide

26. water

27. sodium oxide

28. phosphorus tribromide

~~29. \_\_\_\_\_~~

30. potassium nitrite

31. ammonium chloride

32. phosphoric acid

33. barium hydroxide

34. aluminum nitrate

Day 1