

# Chemical Formulas

Number Correct \_\_\_\_\_  
Total Points \_\_\_\_\_

Name \_\_\_\_\_ Hour \_\_\_\_\_

1. The shorthand way to write molecules is by using a \_\_\_\_\_.
2.  $\text{Fe}_3\text{O}_4$  is an example of a \_\_\_\_\_.

Use the example in question #2 to answer questions 3 - 5.

3. What is the name for the 3 and the 4 in the chemical formula? \_\_\_\_\_
4. How many iron atoms are there in the formula? \_\_\_\_\_
5. How many oxygen atoms are there in the formula? \_\_\_\_\_

Use the following to answer the remaining questions. When answering the question, place the letter(s) in the blank.

A.  $\text{H}_2$       B.  $\text{Al}_2\text{O}_3$       C.  $\text{CCl}_4$       D.  $\text{Ag}$

6. Which of the above is/are a molecule? \_\_\_\_\_
7. Which of the above is/are an element? \_\_\_\_\_
8. Which of the above is/are a symbol? \_\_\_\_\_
9. Which of the above is/are an atom? \_\_\_\_\_
10. Which of the above is/are a formula? \_\_\_\_\_

For example B from above:

11. How many Aluminum atoms are there? \_\_\_\_\_
12. How many Oxygen atoms are there? \_\_\_\_\_

