

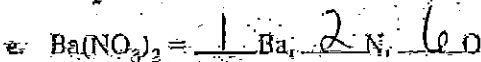
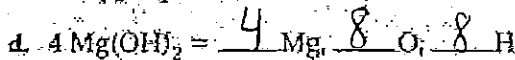
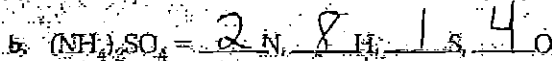
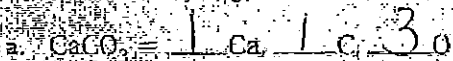
# Unit 2

## C.1 SUPPLEMENT: KEEPING TRACK OF ATOMS

### Fill-in-the-Blanks

1. A chemical equation is balanced if there are the same # of each kind of atom on both sides of the equation.

2. Before looking at equations, determine the number of atoms of each kind in each of the following:



3. Now look at the equations. Count the number of atoms of each kind on each side of the following and determine if the statement is a balanced equation.



Reactants		Products
<u>2</u>	Na	<u>2</u>
<u>4</u>	H	<u>4</u>
<u>2</u>	O	<u>2</u>

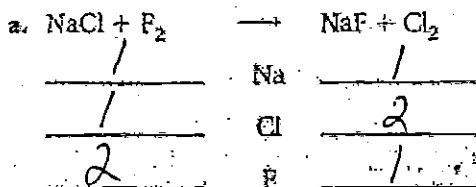
Balanced? Yes  No \_\_\_\_\_



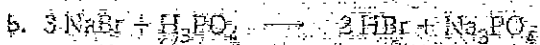
Reactants		Products
<u>10</u>	N	<u>10</u>
<u>12</u>	H	<u>12</u>
<u>6</u>	O	<u>6</u>

Balanced? Yes  No \_\_\_\_\_

4. For each of the following, show the number of each type of atom on each side of the reaction. Decide if the chemical equation is balanced or not.

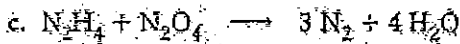


Balanced? Yes \_\_\_\_\_ No



<u>3</u>	Na	<u>3</u>
<u>3</u>	Br	<u>2</u>
<u>3</u>	H	<u>2</u>
<u>1</u>	P	<u>1</u>
<u>4</u>	O	<u>4</u>

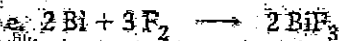
Balanced? Yes \_\_\_\_\_ No



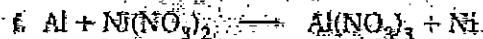
Balanced? Yes \_\_\_\_\_ No



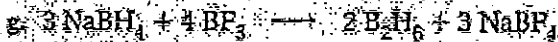
Balanced? Yes \_\_\_\_\_ No



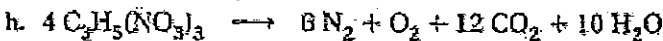
Balanced? Yes  No \_\_\_\_\_



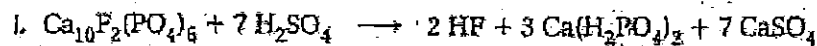
Balanced? Yes \_\_\_\_\_ No



Balanced? Yes  No \_\_\_\_\_



Balanced? Yes \_\_\_\_\_ No

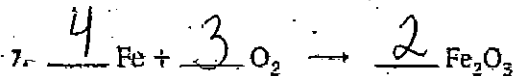
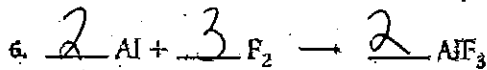
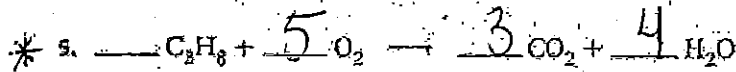
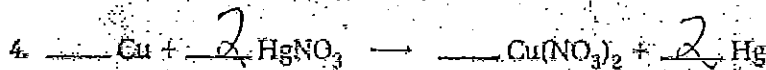
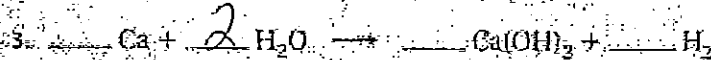
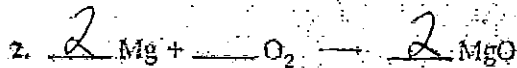


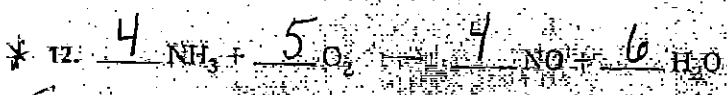
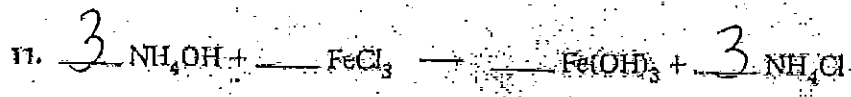
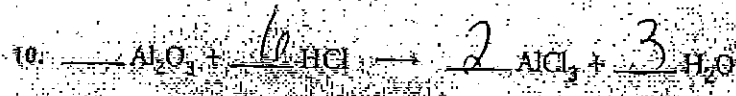
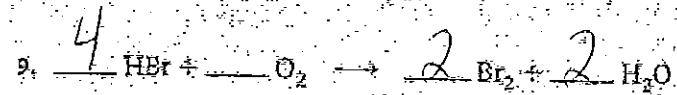
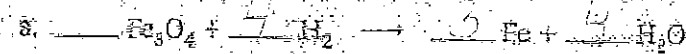
Balanced? Yes  No \_\_\_\_\_

# Unit 2

## C.2 SUPPLEMENT: BALANCING EQUATIONS

Balance the following equations.





↳ 2      2.5      2      3 → multiply all by 2 to get whole #s

