

Chemical Equations (p. 638 – 640)I. Balanced Equations

1. Define the term balanced chemical equation.

p. 638
Balanced Chemical Equation – balancing process involving changing coefficients in a chemical reaction to achieve the same number of atoms of each element on both sides of the equation.

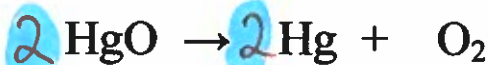
2. Identify the following based on the chemical reaction listed below.



<u>Reactants</u>	<u>Products</u>
Total # of Hg <u>1</u>	Total # of Hg <u>1</u>
Total # of O <u>1</u>	Total # of O <u>2</u>

NOT BALANCED!

Balance the following chemical equation.



3. How are coefficients sometimes determined for chemical equations?

Trial + Error (Practice makes somewhat perfect)

4. Identify the following based on the chemical reaction listed below.



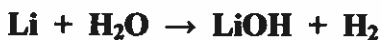
<u>Reactants</u>	<u>Products</u>
Total # of Mg <u>1</u>	Total # of Mg <u>1</u>
Total # of O <u>2</u>	Total # of O <u>1</u>

NOT BALANCED!

Balance the following chemical equation.



5. Identify the following based on the chemical reaction listed below.



<u>Reactants</u>	<u>Products</u>
Total # of Li <u>1</u>	Total # of Li <u>1</u>
Total # of H <u>2</u>	Total # of H <u>3</u>
Total # of O <u>1</u>	Total # of O <u>1</u>

NOT BALANCED!

Balance the following chemical equation.

