

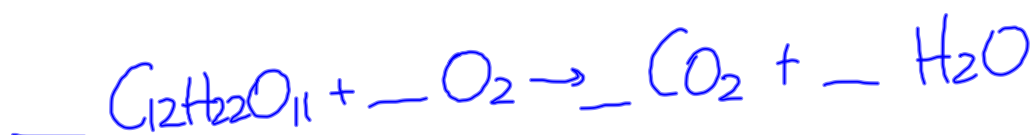
Tips for Balancing Equations:

- **Don't balance atoms present in more than two substances until the end**
- **Balance polyatomic ions as 'one'**
- **If a fractional coefficient is needed, multiply all coefficients by denominator**

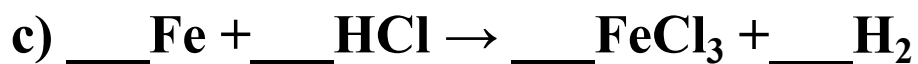
Balancing Chemical Equations

Copper and silver nitrate react to produce silver and copper (II) nitrate.

Aluminum reacts with sulfuric acid to produce hydrogen and aluminum sulfate.



Balancing Equations



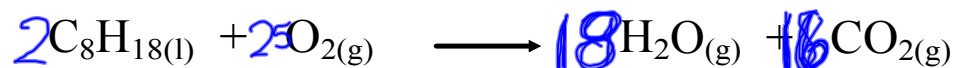
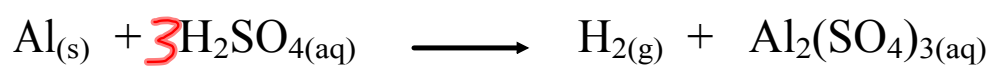
Worksheet

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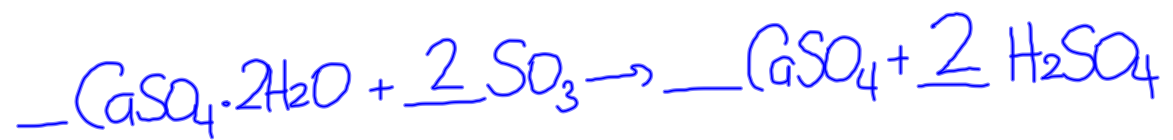
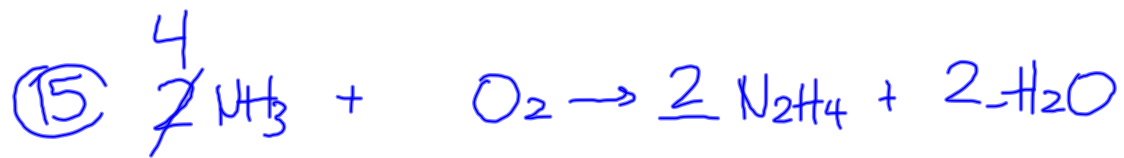
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Balancing Chemical Equations



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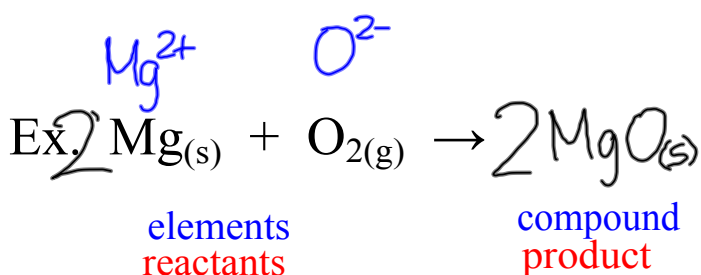


Types of Chemical Reactions

There are five types of chemical reactions:

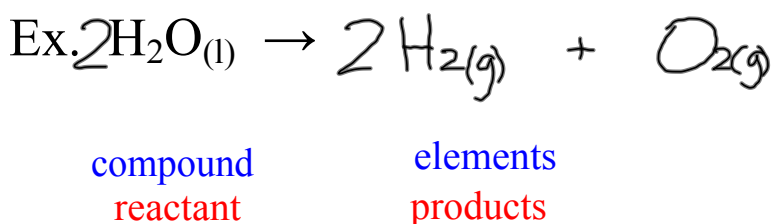
I. Formation/Combination reactions occur when two substances (normally elements) react to form an ionic or molecular compound

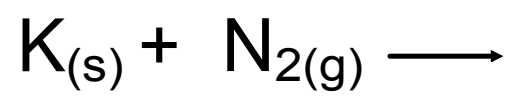
-when a metal and nonmetal react, the product will be the ionic compound formed by the most common ions.

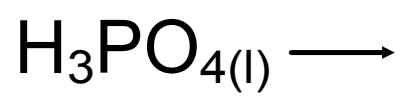
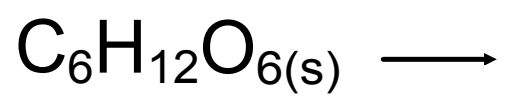


II. A decomposition reaction is the result of an ionic or molecular compound breaking down into its elements.

⇒ it is the reverse of a formation reaction







Homework

Worksheet

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