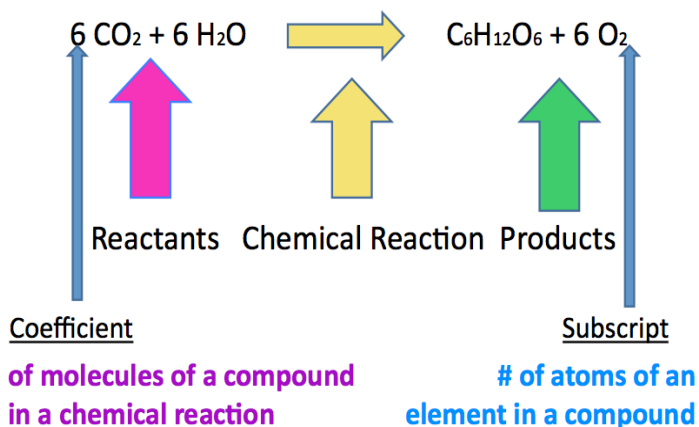
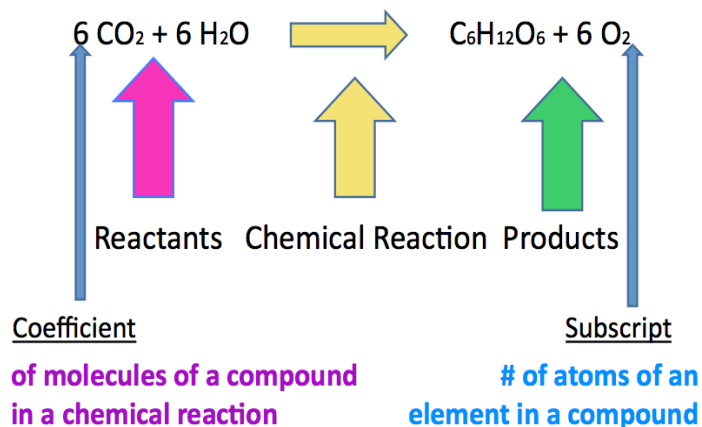


Chemical Reactions as Equations



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Step-by-Step

- 1) Count the number of molecules for each element.
- 2) Record the numbers for each element below.
- 3) Estimate the *coefficient* numbers to make sure totals are the same on both sides.
- 4) Write numbers and recount molecules in front of each of the boxes until the inventory for each element is the same both before and after the reaction. (TOTAL NUMER for each element should MATCH)

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Rules to Remember!

-You CANNOT add subscripts to chemical reactions. You can ONLY add a *coefficient* before an element symbol or compound.

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-The number of atoms of each individual element has to be equal on both sides, but all elements do not have to have equal numbers.

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