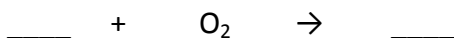


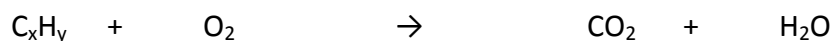
## Success 24/7 Chemistry: Combustion Reactions

An exothermic reaction in which a substance combines with oxygen forming products in which all elements are combined with oxygen. (Burning) Energy is usually released in the form of heat and light.



### Combustion of Hydrocarbons and Alcohols:

In the presence of excess oxygen, most hydrocarbons and alcohols can undergo complete combustion reactions to form carbon dioxide and water. The only tricky part is balancing the reaction.



How to balance:

1<sup>st</sup>- Carbon

2<sup>nd</sup> – Hydrogen

3<sup>rd</sup> – Oxygen (if there is an odd number of oxygens on the products' side, multiply every coefficient by 2)

**Practice:**



