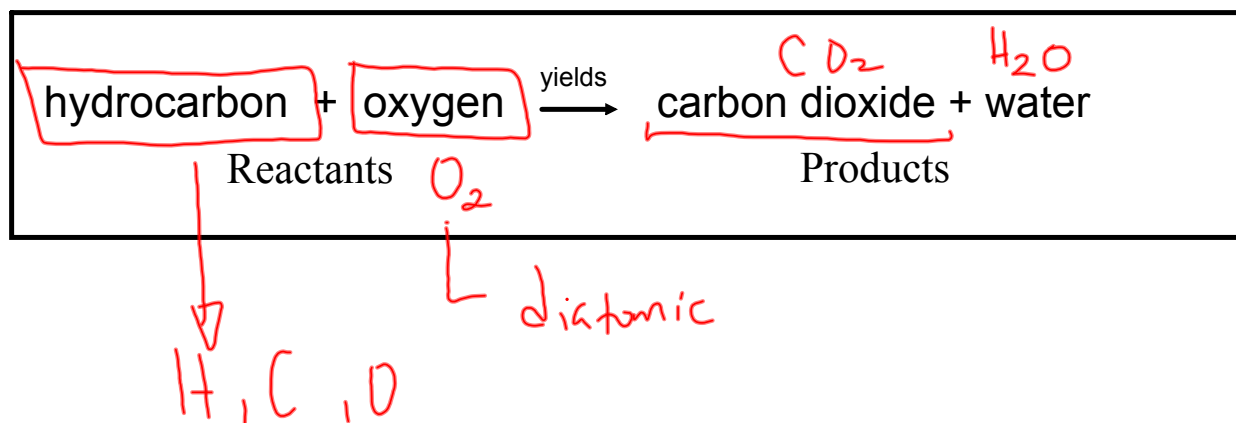


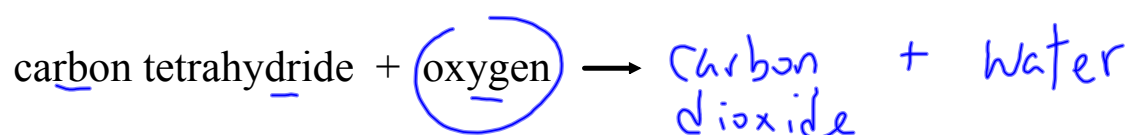
Combustion Reactions



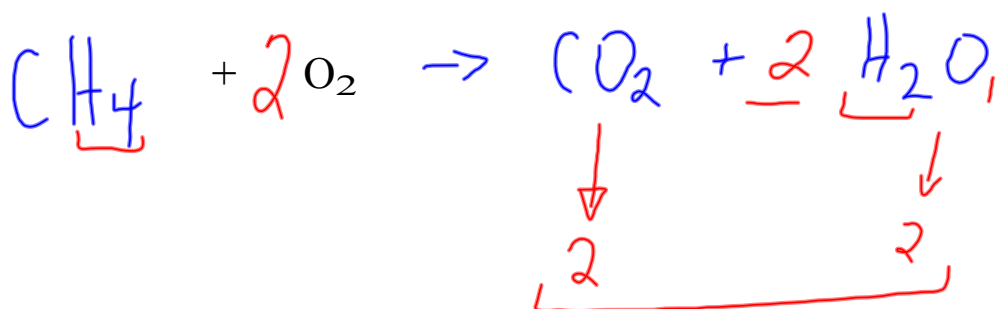
In combustion reactions, balance the carbon atoms first, hydrogen atoms second and oxygen atoms third.

Example #1

Word Equation:



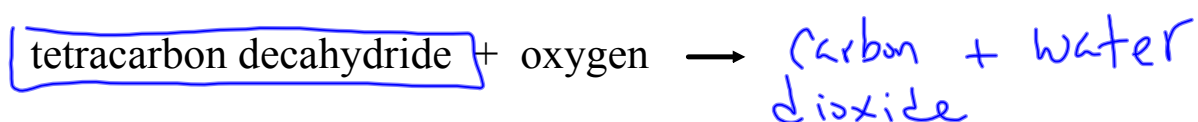
Chemical Equation:



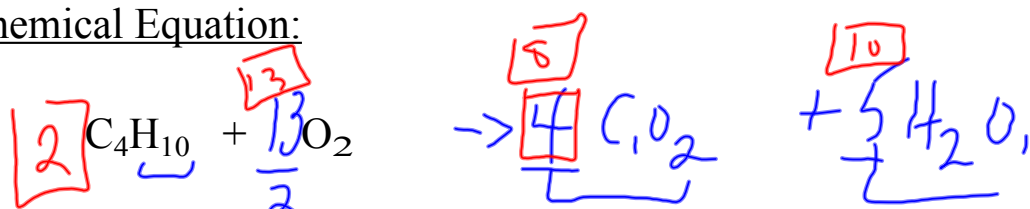
CH₄ = carbon tetrahydride = methane

Example #2

Word Equation:

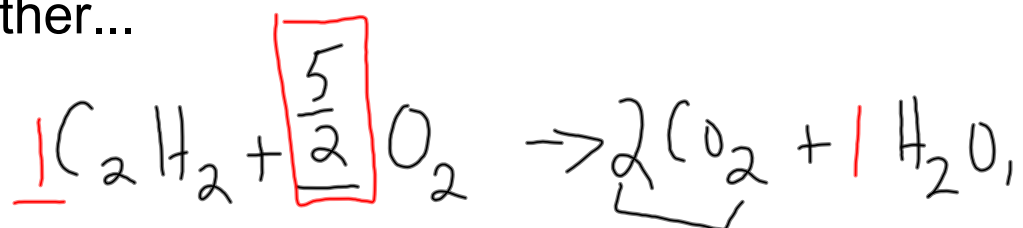


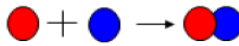
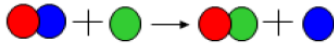
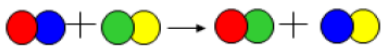
Chemical Equation:



C_4H_{10} = tetracarbon decahydride = butane

Another...



Type of Reaction	Definition	★ Equation
Synthesis	Two or more elements or compounds combine to make a more complex substance	$A + B \rightarrow AB$ 
Decomposition	Compounds break down into simpler substances	$AB \rightarrow A + B$ 
Single Replacement	Occurs when one element replaces another one in a compound	$AB + C \rightarrow AC + B$ 
Double Replacement	Occurs when different atoms in two different compounds trade places	$AB + CD \rightarrow AC + BD$ 

Attachments

Science 10 - Single and Double Replacement Reactions Type and Bal.pdf