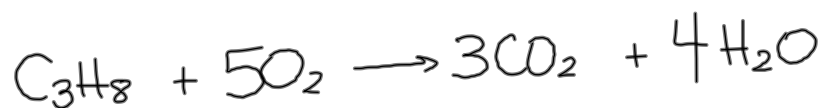




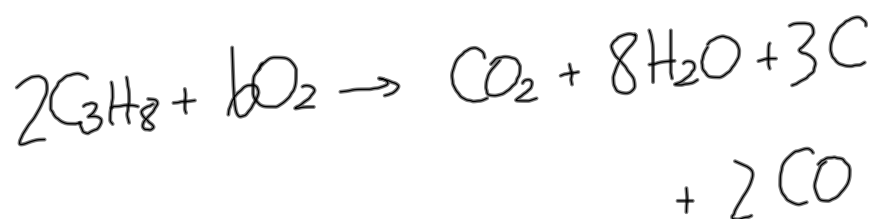
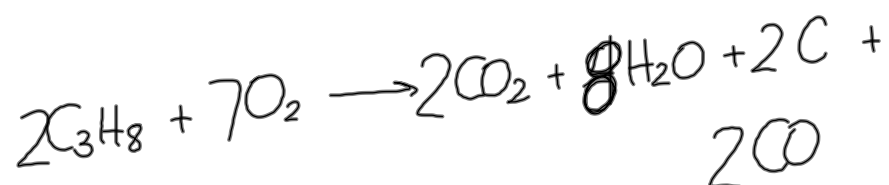
③ COMPLETE

propane + oxygen → carbon dioxide + water vapour



INCOMPLETE

propane + oxygen → carbon dioxide + water vapour +
carbon + carbon monoxide



Types of Chemical Reactions

II. Synthesis (Combination) Reactions

The reactions of smaller atoms/molecules into larger molecules



Ex. hydrogen + oxygen \Rightarrow water



Ex. $2Na + Cl_2 \rightarrow 2NaCl$

Diatomic Molecules

bromine → Br_2

hydrogen → H_2

oxygen → O_2

nitrogen → N_2

chlorine → Cl_2

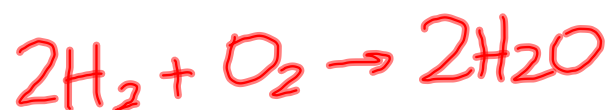
iodine → I_2

fluorine → F_2

Types of Chemical Reactions

III. Decomposition Reactions

Decomposition reactions typically involve splitting a larger molecule into elements or smaller molecules.



Ex. nitrogen triiodide \Rightarrow nitrogen + iodine



Homework

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