Day 32 - Synthesis and Decomposition reactions after.no	otebook
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October 22, 2013

Lab - To be submitted in 10 minutes

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Types of Chemical Reactions

II. Synthesis (Combination) Reactions

The reactions of smaller atoms/molecules into larger molecules

$$A + B \Rightarrow AB$$

Ex. hydrogen + oxygen ⇒ water

$$2H_2 + O_2 \rightarrow 2H_2O$$

Ex.
$$2$$
Na + Cl₂ $\Rightarrow 2$ NaCl

Sodium + chlorine -> Sodium chloride

DIATOMIC MOLECULES

Br2 HON2Ch I2F2

COMBUSTION

$$C_3H_8 + O_2 \rightarrow CO_2 + H_2O$$

TNOMPLETE

C3H8 +
$$O_2$$
 ->> Co_2 + Co_2 + Co_3 + Co_4 +

Types of Chemical Reactions

III. Decomposition Reactions

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

$$AB \Rightarrow A + B$$

Ex. nitrogen triiodide ⇒ nitrogen + iodine

$$2NT_3 \rightarrow N_2 + 3T_2$$

Homework

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