

Synthesis Reaction

$A + B \rightarrow AB$

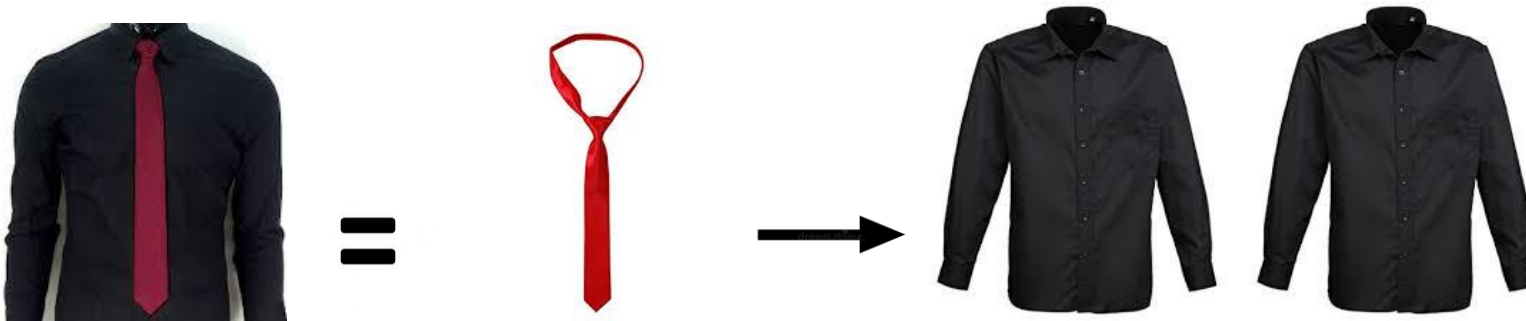


Example:

$4\text{Na} + \text{O}_2 \rightarrow 2\text{Na}_2\text{O}$

Decomposition

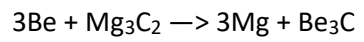
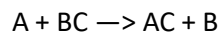
$AB \rightarrow A + B$



$\text{KCl} \rightarrow \text{K} + \text{Cl}$

Example:

SINGLE REPLACEMENT



DOUBLE REPLACEMENT

