

Decomposition Reactions

A single ionic compound or molecule breaks apart into individual atoms/ions



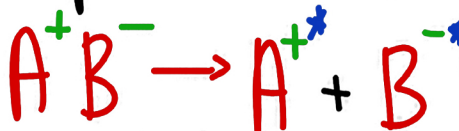
Two forms

Molecule $\longrightarrow$ atoms



* Check if diatomic

Compound $\longrightarrow$ ions



* Verify charges

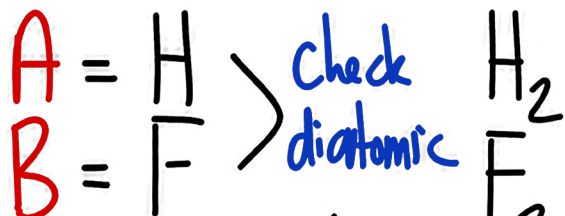
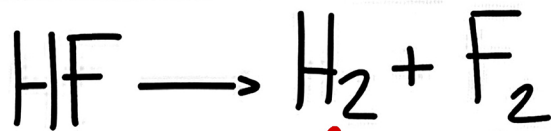
Diatomic Elements

H₂, N₂, O₂,

F₂, Cl₂, Br₂, I₂

Decomposition Reaction Examples

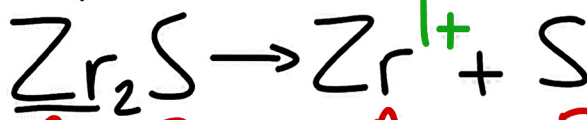
Molecule Decomp



(Individual atoms)

Compound Decomp

(metal, +, -)



H₂

N₂

O₂

F₂

Cl₂

Br₂

I₂