

Diatomic molecules
 Made of two atoms of same element

"super T" are diatomic

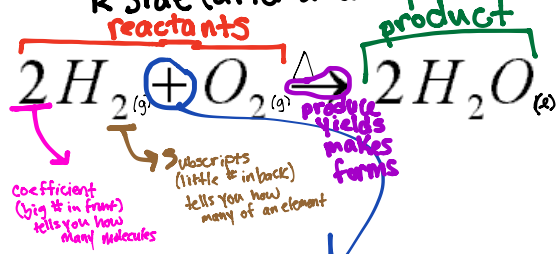
$H_2, N_2, O_2, F_2, Cl_2, Br_2, I_2$

Parts of a Chemical Equation

2 Sides to an equation

L Side (before arrow) = reactants

R Side (after arrow) = products



plus and reacts with added to

hydrogen and oxygen produce water

gas liquid

Keys to Common Symbols	
(s)	- solid
(l)	- liquid
(g)	- gas
(aq)	- aqueous (dissolved in water)
Δ	- heat

reactants \rightarrow products

word equation: words w/ + and →

formula equation: chemical formulas

When ^Rfluorine gas is put into contact with ^Rcalcium metal ^Pcalcium fluoride powder is created.

word: fluorine gas + calcium metal → calcium fluoride powder
 Ca^{+2} $\text{F}^- \text{F}^-$

formula: $\text{F}_2(\text{g}) + \text{Ca}(\text{s}) \rightarrow \text{CaF}_2(\text{s})$