

Skeleton Equations

- just like word equations,
except we write formulas
instead of names for substances!

✓ out the 7 diatomic molecules!



Ex) ^{R₁} Hydrogen gas and ^{R₂} oxygen gas react to
form water vapor.

word eqn. hydrogen(g) + oxygen(g) → water(g)

skeleton eqn. $H_2(g) + O_2(g) \rightarrow H_2O(g)$

Ex) Solid ^{R₁} cadmium(III) hydroxide reacts with a
solution of hydrosulfuric acid to produce
^{R₂} water and cadmium(III) sulfide precipitate.

word eqn. cadmium(III) hydroxide (s) + hydrosulfuric acid (aq) → water (l) + cadmium(III) sulfide (s)

3+ 1- 1+ 2- 3+ 2-

skeleton eqn. $Cd(OH)_3(s) + H_2S(aq) \rightarrow H_2O(l) + Cd_2S_3(s)$