

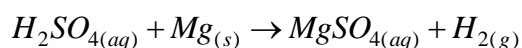
ACID-BASE REACTIONS

Acid/base reactions involve the transfer of **protons**.

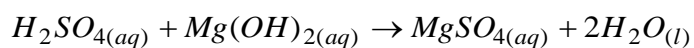
An acid/base reaction exists if:

- A H^+ ion is transferred from one species to another during the reaction.
- The reaction is one of the following types:

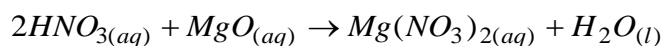
Acid + Metal → Salt + Hydrogen gas



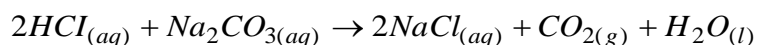
Acid + Metal Hydroxide → Salt + Water



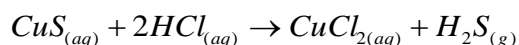
Acid + Metal Oxide → Salt + Water



Acid + Metal (Hydrogen) Carbonate → Salt + Carbon Dioxide + Water



Acid + Metal Sulfide → Salt + Hydrogen Sulfide



Acid + Reactive metal → Salt + Hydrogen gas

