

Key!

Matching Activity Ch.4 Aqueous Reactions

Instructions: cut all pieces and have the students pair up to form their list and then go through the list together.

Strong Acid Weak	Strong Base Weak
★ HNO_3 Nitric acid Strong acid	★ HCl hydrochloric acid Strong acid
★ HBr hydrobromic acid Strong acid	★ H_2SO_4 sulfuric acid Strong acid
★ HI hydroiodic acid Strong acid	★ HClO_4 Perchloric acid Strong acid
★ LiOH lithium hydroxide Strong base	★ $\text{Mg}(\text{OH})_2$ magnesium hydroxide Strong base

★ NaOH sodium hydroxide Strong base	★ Ca(OH)_2 Calcium hydroxide Strong base
KOH Potassium hydroxide Strong base	Sr(OH)_2 Strontium hydroxide Strong base
partially ionizes HNO_2 nitrous acid Weak acid	CH_3COOH acetic acid Weak acid
H_2CO_3 Carbonic acid Weak acid	HCN hydrocyanic acid Weak acid
Zn(OH)_2 Zinc hydroxide Weak base	Fe(OH)_2 Iron II hydroxide Weak base

partially dissociates
 CH_3COO^-
 H^+

partially dissolves in water

amphoteric hydroxide

↳ has both acidic & basic properties

partially dissolves in water