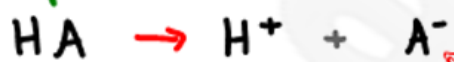


STRONG ACIDS & BASES

Video series + Quiz - Leah4sci.com/acidbase

Strong Acid

complete dissociation



weak / stable conjugate base

$\uparrow K_a$, $\downarrow pK_a$ $\text{pH} < 7$

HClO_4	Perchloric Acid
H_2SO_4	Sulfuric Acid
HI	Hydroiodic Acid
HBr	Hydrobromic Acid
HCl	Hydrochloric Acid
HNO_3	Nitric Acid
$\text{H}_3\text{O}^+ / \text{H}^+$	Hydronium (ion)

Strong Base

complete dissociation



$\uparrow K_b$ $\downarrow pK_b$ $\text{pH} > 7$

* LiOH	Lithium hydroxide
NaOH	Sodium Hydroxide
KOH	Potassium Hydroxide
RbOH	Rubidium Hydroxide
** CsOH	Cesium Hydroxide
Ca(OH)_2	Calcium Hydroxide
Sr(OH)_2	Strontium Hydroxide
Ba(OH)_2	Barium Hydroxide

* Group I Metal hydroxides = very strong

** Group II Metal hydroxides = strong

Acid base video series + practice problems:

ORGO - Leah4sci.com/acidbase

MCAT - Leah4sci.com/mcatacidbase

Questions or Comments - Leah4sci.com/contact