

4 Primary Properties of Acids and Bases

Acids:

1. Conducts electricity
2. Sour tasting
3. Reacts with a base to neutralize its properties
4. Reacts with active metals to liberate hydrogen gas (H_2)

Bases:

1. Conducts electricity
2. Bitter Tasting
3. Reacts with acids to neutralize its properties
4. Feel slippery on the skin

Common Acids and Bases

<u>Acid</u>	<u>Chem. Form.</u>	<u>Example</u>
Sulfuric Acid	H_2SO_4	Car Battery
Carbonic Acid	H_2CO_3	Soft Drinks
Hydrochloric Acid	HCl	Stomach
Nitric Acid	HNO_3	-----
Acetic Acid	$HC_2H_3O_2$	Vinegar
Phosphoric Acid	H_3PO_4	Cleaning Solutions
Citric Acid	$H_3C_6H_5O_7$	Fruits

<u>Base</u>	<u>Chem. Form.</u>	<u>Example</u>
Sodium Hydroxide	$NaOH$	Oven Cleaner
Potassium Hydroxide	KOH	Drain Cleaner
Calcium Hydroxide	$Ca(OH)_2$	Brick Mortar
Magnesium Hydroxide	$Mg(OH)_2$	Anti-Acids
Ammonia	NH_3	Cleaning Solutions