

Success 24/7 Chemistry: Acid Nomenclature

What is an acid?

An acid is a substance that gives off hydrogen ions when placed in water.

How can I tell if it is an acid?

If the molecule starts with H and does NOT have a charge, it is an acid. (except for water)

Basic Rules

If the anion ends in:

-ide:	Hydro-	-ic acid
-ate:		-ic acid
-ite:		-ous acid

Ex:

HCl _____

H₂SO₃ _____

H₂SO₄ _____

HCN _____

H₃PO₄ _____

When writing the formulas, add as many H's as needed to neutralize out the charge.

(You must know what each name tells you... -ide, -ite, -ate, etc)

Ex:

Carbonic Acid _____

Hydrobromic Acid _____

Nitrous Acid _____