

Acids

- cation is a hydrogen ion, H^{+1}
- anion varies

- If anion is a single element:

“hydro___ic acid”

Ex: HCl hydrochloric acid
 HF hydrofluoric acid
 H₂S hydrosulfuric acid

- If anion is polyatomic “-ate”:

“-ic acid”

Ex: H₂SO₄ sulfuric acid
 H₂CO₃ carbonic acid

- If anion is polyatomic “-ite”:

“-ous acid”

Ex: H₃PO₃ phosphorous acid
 H₂SO₃ sulfurous acid

- Acidity is a property of *solutions*
 - When the substance is dissolved in water it takes on acidic properties
 - (aq), aqueous
- Ex: H₂SO₄(aq)