

Assignment 1: Naming Acids

Name: *Angela*

Nitric acid HNO_3

Phosphoric acid H_3PO_4

Hydrocyanic acid HCN

Nitrous acid HNO_2

Chloric acid HClO_3

Hydrofluoric acid HF

Acetic acid $\text{HC}_2\text{H}_3\text{O}_2 - \text{CH}_3\text{COOH}$

Perchloric acid HClO_4

Hydrobromic acid HBr

Hydroiodic acid HI

Sulfurous acid H_2SO_3

Phosphorous acid H_3PO_3

Chlorous acid HClO_2

Carbonic acid H_2CO_3

Boric acid H_3BO_3

Sulfuric acid H_2SO_4

Hydrochloric acid HCl

Formic acid $\text{HCHO}_2 - \text{HCOOH}$

Name each of the following acids:

$\text{HClO}_4(\text{aq})$ perchloric acid

$\text{HF}(\text{aq})$ hydrofluoric acid

$\text{HCOOH}(\text{aq})$ formic acid

$\text{H}_3\text{PO}_3(\text{aq})$ phosphorous acid

$\text{H}_3\text{PO}_4(\text{aq})$ phosphoric acid

$\text{HCN}(\text{aq})$ cyanic acid

$\text{HCl}(\text{aq})$ hydrochloric acid

$\text{HClO}_3(\text{aq})$ chloric acid

$\text{H}_3\text{BO}_3(\text{aq})$ boric acid

$\text{H}_2\text{CO}_3(\text{aq})$ carbonic acid

$\text{H}_2\text{SO}_4(\text{aq})$ sulfuric acid

$\text{H}_2\text{SO}_3(\text{aq})$ sulfurous acid

$\text{HNO}_2(\text{aq})$ nitrous acid

$\text{HClO}_2(\text{aq})$ chlorous acid

$\text{HI}(\text{aq})$ hydroiodic acid

$\text{HNO}_3(\text{aq})$ nitric acid

$\text{CH}_3\text{COOH}(\text{aq})$ acetic acid

$\text{HBr}(\text{aq})$ hydrobromic acid