**Naming Acids**

All acids begin with “H”

Check to see if there is an Oxygen in the anion

If no… use prefix “hydro” and suffix “ic” , then add the word “acid”

HCl 🡪 hydrochloric acid

HCN 🡪 hydrocyanic acid

If yes… do NOT use “hydro” and suffix depends on the polyatomic anion, then add “acid”

If anion ends in –ate, suffix used is “-ic”

If anion ends in –ite, suffix used is “-ous”

HNO3 🡪 nitric acid

H2SO4 🡪 sulfuric acid

H2SO3 🡪 sulfurous acid

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| --- | --- |
| Name the following acids:  1) H3PO4  2) H2CO3  3) H2SO4  4) HIO3  5) HF  6) HNO2 | Write the formula for these acids:  7) hydrobromic acid  8) hydrocyanic acid [this has a twist in it]  9) nitric acid  10) sulfurous acid  11) hydrophosphoric acid  12) acetic acid |