

## 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”

$\text{HCl} \rightarrow$  hydrochloric acid

$\text{HCN} \rightarrow$  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”

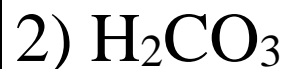
If anion ends in –ite, suffix used is “-ous”

$\text{HNO}_3 \rightarrow$  nitric acid

$\text{H}_2\text{SO}_4 \rightarrow$  sulfuric acid

$\text{H}_2\text{SO}_3 \rightarrow$  sulfurous acid

Name the following acids:



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