Name: _____ Grade/Class: _____

Acid Nomenclature Worksheet

Acids are not named in the same way as other compounds. Follow these rules when naming acids:

- When the anion does NOT contain Oxygen:

Use the prefix *hydro* + **root of the anion's name** – *ic* + the word acid Examples: HCl - *hydro***chlor***ic* acid; HBr- *hydro***brom***ic* acid

- When the anion contains Oxygen:

The name will depend on the name of the polyatomic anion. DO NOT use the prefix hydro. Examples: H_2SO_4 the anion is sulf**ate**, therefore the acid name will end in **ic – Sulfuric acid.** H_2SO_3 the anion is sulf**ite**, therefore the name of the acid will end in **ous** – **sulfurous acid.**

ATE → IC
ITE → OUS

Write formulas for the following:

1. Nitric acid	
2. Chloric acid	
3. Acetic acid	
4. Sulfurous acid	
5. Chlorous acid	
6. Hydrochloric acid	
7. Phosphoric acid	
8. Nitrous acid	
9. Hydrofluoric acid	
10. Hydrocyanic acid	

Name the Following

11. HClO	
12. H_3PO_4	
13. HCl	
14. H_2SO_4	
15. HNO_2	
16. HI	
17. $HC_2H_3O_2$	
18. HF	
19. $HClO_3$	
20. H_2CO_3	