

The 3 Rules for Naming the 3 Types of Acids

Rule 1—If the acid is binary, i.e. has a monatomic anion, or has an ion ending in -ide,
then: Hydro(root name of anion)*ic acid*

JUST BECAUSE ACID FORMULAS BEGIN WITH "H" DOES NOT MEAN THAT EVERY ACID'S NAME BEGINS WITH HYDRO!!

Rule 2—If the acid has anion ending in -ate,
then: (Root name of anion)ic acid

Rule 3—If the acid has anion ending in -ite,
then: (Root name of anion)ous acid

Acid	Name
1. HF	_____
2. HCl	_____
3. HBr	_____
4. H ₂ S	_____
5. HClO ₄	_____
6. HClO ₃	_____
7. HClO ₂	_____
8. HClO	_____
9. HNO ₃	_____
10. HNO ₂	_____
11. H ₂ SO ₄	_____
12. H ₂ SO ₃	_____
13. H ₂ CO ₃	_____
14. H ₃ PO ₄	_____
15. H ₂ C ₂ O ₄	_____
16. HC ₂ H ₃ O ₂	_____

Name	Formula
17. Nitric acid	_____
18. Acetic acid	_____
19. Sulfuric acid	_____
20. Periodic acid	_____
21. Hydroiodic acid	_____
22. Hydrocyanic acid	_____
23. Phosphorous acid	_____
24. Permanganic acid	_____
25. Hypochlorous acid	_____
26. Hydrophosphoric acid	_____