

Standard: (#4-5)
Chemistry
Acid Nomenclature
ChemAcid1

Convert the following to names to chemical formulas (indicate type of acid)

	Anion	Type	Formula
1. Hydrochloric acid	= Cl^{-1}	nonoxy	HCl
2. Sulfuric acid	= SO_4^{-2}	oxy	H_2SO_4
3. Carbonic Acid	= CO_3^{-2}	oxy	H_2CO_3
4. Hydrofluoric Acid	= F^{-1}	nonoxy	HF
5. Acetic Acid	= $C_2H_3O_2^{-1}$	oxy	$HC_2H_3O_2$
6. Oxalic acid	= $C_2O_4^{-2}$	oxy	$H_2C_2O_4$
7. Hypochlorous acid	= ClO^{-1}	oxy	$HClO$
8. Bromic acid	= BrO_3^{-1}	oxy	$HBrO_3$
9. Hydrobromic acid	= Br^{-1}	nonoxy	HBr
10. Bromous acid	= BrO_2^{-1}	oxy	$HBrO_2$
11. Nitrous acid	= NO_2^{-1}	oxy	HNO_2
12. Phosphoric acid	= PO_4^{-3}	oxy	H_3PO_4
13. Hydrocyanic acid	= CN^{-1}	nonoxy	HCN
14. Dichromic acid	= $Cr_2O_7^{-2}$	oxy	$H_2Cr_2O_7$
15. Hydronitric acid	= N^3 N^{-1}	nonoxy	HN_3

Convert the following formulas to chemical names

	Anion	Type	Name
1. $H_2S_{(aq)}$	= sulfide	nonoxy	hydrosulfuric acid
2. $H_2SO_{4(aq)}$	= sulfate	oxy	sulfuric acid
3. $H_3PO_{4(aq)}$	= phosphate	oxy	phosphoric acid
4. $HF_{(aq)}$	= fluoride	nonoxy	hydrofluoric acid
5. $H_2CO_{3(aq)}$	= carbonate	oxy	carbonic acid
6. $HI_{(aq)}$	= iodide	nonoxy	hydroiodic acid
7. $HClO_{4(aq)}$	= perchlorate	oxy	perchloric acid
8. $HIO_3_{(aq)}$	= iodate	oxy	iodic acid
9. $HCN_{(aq)}$	= cyanide	nonoxy	hydrocyanic acid
10. $HCl_{(aq)}$	= chloride	nonoxy	hydrochloric acid
11. $H_2SO_3_{(aq)}$	= sulfite	oxy	sulfurous acid
12. $H_2C_2O_4_{(aq)}$	= oxalate	oxy	oxalic acid
13. $HNO_2_{(aq)}$	= nitrite	oxy	nitrous acid
14. $HC_2H_3O_2_{(aq)}$	= acetate	oxy	acetic acid
15. $HBrO_2_{(aq)}$	= bromite	oxy	bromous acid