

Standard: #3-1,3 & #4-5

Chemistry

Nomenclature Mix 2

ChemNomMix2.doc

Convert the following chemical formulas to written names.

	NAME	Named as a(n)
1. HF <sub>(aq)</sub>	= hydrofluoric acid	non oxyacid
2. (NH <sub>4</sub> ) <sub>2</sub> S <sub>(aq)</sub>	= ammonium sulfide	ionic
3. CCl <sub>4</sub>	= carbon tetrachloride	covalent
4. HC <sub>2</sub> H <sub>3</sub> O <sub>2(aq)</sub>	= acetic acid	oxyacid
5. HCl	= hydrochloric acid	nonoxyacid
6. HClO <sub>(aq)</sub>	= hypochlorous acid	oxyacid
7. HClO <sub>2(aq)</sub>	= chlorous acid	oxyacid
8. HClO <sub>4(aq)</sub>	= perchloric acid	oxyacid
9. CuCl <sub>2</sub>	= copper (II) chloride	ionic
10. SnS	= tin (II) sulfide	ionic
11. CuCl	= copper (I) chloride	ionic
12. HCN <sub>(aq)</sub>	= hydrocyanic acid	non oxyacid
13. AlPO <sub>4</sub>	= aluminum phosphate	ionic
14. N <sub>2</sub> O <sub>5</sub>	= dinitrogen pentoxide	covalent
15. H <sub>2</sub> O	= dihydrogen monoxide (water)	covalent

Convert the following chemical names to formulas

1. Sulfur dioxide	= SO <sub>2</sub>	covalent
2. Copper (I) Sulfate	$Cu^{+1}SO_4^{2-} = Cu_2SO_4$	ionic
3. Hydroiodic acid	= HI	nonoxy acid
4. Nitric acid	= HNO <sub>3</sub>	oxyacid
5. Bromic acid	= HBrO <sub>3</sub>	oxyacid
6. Sulfur Trioxide	= SO <sub>3</sub>	covalent
7. Aluminum hydroxide	$Al^{+3}OH^{-1} = Al(OH)_3$	ionic
8. Iodous acid	= HIO <sub>2</sub>	oxyacid
9. Iodic acid	= HIO <sub>3</sub>	oxyacid
10. Iron (III) sulfide	$Fe^{+3}S^{2-} = Fe_2S_3$	ionic
11. Hypochlorous acid	= HClO	oxyacid
12. Permanganic acid	= HMnO <sub>4</sub>	oxyacid
13. Calcium phosphide	$Ca^{+2}P^{3-} = Ca_3P_2$	ionic
14. Aluminum sulfite	$Al^{+3}S^{2-} = Al_2S_3$	ionic
15. tetraphosphorous octaoxide	= P <sub>4</sub> O <sub>8</sub>	covalent