

Name
AP Chemistry
Nomenclature

Convert the following chemical formulas to written names.

	NAME	Named as a(n)
1. $\text{HF}_{(\text{aq})}$	= <u>Hydrofluoric Acid</u>	_____
2. $(\text{NH}_4)_2\text{S}_{(\text{aq})}$	= <u>Ammonium Sulfide</u>	_____
3. CCl_4	= <u>Carbon tetrachloride</u>	_____
4. $\text{HC}_2\text{H}_3\text{O}_2_{(\text{aq})}$	= <u>acetic acid</u>	_____
5. HCl	= <u>Hydrochloric Acid</u>	_____
6. $\text{HClO}_{(\text{aq})}$	= <u>hypochlorous acid</u>	_____
7. $\text{HClO}_2_{(\text{aq})}$	= <u>chlorous acid</u>	_____
8. $\text{HClO}_4_{(\text{aq})}$	= <u>perchloric acid</u>	_____
9. CuCl_2	= <u>Copper(II) chloride</u>	_____
10. SnS	= <u>tin(II) sulfide</u>	_____
11. CuCl	= <u>Copper(I) chloride</u>	_____
12. $\text{HCN}_{(\text{aq})}$	= <u>hydrocyanic Acid</u>	_____
13. AlPO_4	= <u>Aluminum phosphate</u>	_____
14. N_2O_5	= <u>dinitrogen pentoxide</u>	_____
15. H_2O	= <u>water</u>	_____

Convert the following chemical names to formulas

1. Sulfur dioxide	=	<u>SO_2</u>	_____
2. Copper (I) Sulfate	=	<u>Cu_2SO_4</u>	_____
3. Hydroiodic acid	=	<u>HI</u>	_____
4. Nitric acid	=	<u>HNO_3</u>	_____
5. Bromic acid	=	<u>HBrO_3</u>	_____
6. Sulfur Trioxide	=	<u>SO_3</u>	_____
7. Aluminum hydroxide	=	<u>$\text{Al}(\text{OH})_3$</u>	_____
8. Iodous acid	=	<u>HIO_2</u>	_____
9. Iodic acid	=	<u>HIO_3</u>	_____
10. Iron (III) sulfide	=	<u>Fe_2S_3</u>	_____
11. Hypochlorous acid	=	<u>HClO</u>	_____
12. Permanganic acid	=	<u>HMnO_4</u>	_____
13. Calcium phosphide	=	<u>$\text{Ca}_3(\text{P}_2)_2$</u>	_____
14. Aluminum sulfite	=	<u>Al_2S_3</u>	_____
15. tetraphosphorous octaoxide	=	<u>P_4O_8</u>	_____