

Name Answer Key

Date _____ Period _____

Naming Compounds WS

	Cation	Anion	Formula	Metal & NM OR Just Nonmetals?	Ionic Or Molecular?	Name
Ex. 1	X	X	PCl ₃	NM's	Molecular	Phosphorous trichloride
Ex. 2	Li ⁺	N ³⁻	Li ₃ N	M & NM	Ionic	lithium nitride
1.	--	--	N ₂ O ₄	NM's	Molecular	dinitrogen tetroxide
2.	--	--	SF ₆	NM's	Molecular	sulfur hexafluoride
3.	Na ⁺	HCO ₃ ⁻	NaHCO ₃	M & NM	Ionic	Sodium hydrogen carbonate or sodium bicarbonate
4.	Fe ³⁺	S ²⁻	Fe ₂ S ₃	M & NM	Ionic	iron (III) sulfide
5.	NH ₄ ⁺	SO ₄ ²⁻	(NH ₄) ₂ SO ₄	all NM's	Ionic	ammonium sulfate
6.	Hg ²⁺	O ²⁻	HgO	M & NM	Ionic	mercury(II) oxide
7.	--	--	N ₂ O	NM's	Molecular	dinitrogen monoxide
8.	--	--	NCl ₃	NM's	Molecular	nitrogen trichloride
9.	Mn ⁴⁺	Cr ₂ O ₇ ²⁻	Mn(Cr ₂ O ₇) ₂	M & NM	Ionic	manganese(IV) dichromate
10.	--	--	CS ₂	NM's	Molecular	carbon disulfide
11.	Ba ²⁺	H ⁻	BaH ₂	M & NM	Ionic	barium hydride
12.	Mg ²⁺	CN ⁻	Mg(CN) ₂	M & NM	Ionic	magnesium cyanide
13.	--	--	NF ₅	NM's	Molecular	nitrogen pentafluoride
14.	Co ³⁺	NO ₂ ⁻	Co(NO ₂) ₃	M & NM	Ionic	cobalt(III) nitrite
15.	Al ³⁺	ClO ₄ ⁻	Al(ClO ₄) ₃	M & NM	Ionic	aluminum perchlorate
16.	Cu ⁺	Br ⁻	CuBr	M & NM	Ionic	copper(I) bromide
17.	Ag ⁺	NO ₃ ⁻	AgNO ₃	N & NM	Ionic	silver nitrate
18.	--	--	CO	NM's	Molecular	carbon monoxide