

Name Answer Key

Date _____ Period _____

Naming Compounds WS

	Cation	Anion	Formula	Metal & NM OR Just Nonmetals?	Ionic Or Molecular?	Name
Ex. 1	X	X	SiO ₂	NM's	Molecular	silicon dioxide
Ex. 2	Li ⁺	N ³⁻	Li ₃ N	M & NM	Ionic	lithium nitride
1.	X	X	N ₂ O ₄	NM's	Molecular	dinitrogen tetroxide
2.	X	X	SF ₆	NM's	Molecular	sulfur hexafluoride
3.	Na ¹⁺	HCO ₃ ¹⁻	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 ¹⁺	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.	X	X	N ₂ O	NM's	Molecular	dinitrogen monoxide
8.	X	X	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.	X	X	CS ₂	NM's	Molecular	carbon disulfide
11.	Ba ²⁺	H ¹⁻	BaH ₂	M & NM	Ionic	barium hydride
12.	Mg ²⁺	CN ¹⁻	Mg(CN) ₂	M & NM	Ionic	magnesium cyanide
13.	X	X	NF ₅	NM's	Molecular	nitrogen pentafluoride
14.	Co ³⁺	NO ₂ ¹⁻	Co(NO ₂) ₃	M & NM	Ionic	cobalt(III) nitrite
15.	Al ³⁺	ClO ₄ ¹⁻	Al(ClO ₄) ₃	M & NM	Ionic	aluminum perchlorate
16.	Cu ¹⁺	Br ¹⁻	CuBr	M & NM	Ionic	copper(I) bromide
17.	Ag ¹⁺	NO ₃ ¹⁻	AgNO ₃	N & NM	Ionic	silver nitrate
18.	X	X	CO	NM's	Molecular	carbon monoxide