## **Unit 2 Review – The Nature of Matter**

## COMBINED EXERCISES FOR INORGANIC NAMING

Write the correct ame for each of the following.

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14.	MgO	27.	Na <sub>2</sub> SO <sub>3</sub>		Pt <sub>2</sub> O <sub>3</sub> •3H <sub>2</sub> O		Cu(NO <sub>3</sub> ) <sub>2</sub> •6H <sub>2</sub> O
15.	CuSO <sub>4</sub>	28.	Pb(HSO <sub>4</sub> ) <sub>4</sub>	41.	PBr <sub>5</sub>	54.	Co(ClO <sub>3</sub> ) <sub>2</sub>
16.	NaCH <sub>3</sub> COO	29.	WF <sub>6</sub>	42.	Cu(CH <sub>3</sub> COO) <sub>2</sub>	55.	Mn <sub>2</sub> O <sub>3</sub>
17.	NH <sub>4</sub> NO <sub>2</sub>	30.	NaH <sub>2</sub> PO <sub>4</sub>	43.	Al(ClO <sub>4</sub> ) <sub>3</sub>	56.	Zn(CH <sub>3</sub> COO) <sub>2</sub>
18.	MoCl <sub>5</sub>	31.	BaS	44.	NH <sub>3</sub>	57.	CH <sub>3</sub> COOH
19.	LiOH•H <sub>2</sub> O	32.	NH <sub>4</sub> CIO <sub>2</sub>	45.	Al <sub>2</sub> S <sub>3</sub>	58.	MnPO <sub>4</sub>
20.	PtCl <sub>4</sub>	33.	Fe(ClO) <sub>2</sub>	46.	NaOH	59.	Cr(NO <sub>3</sub> ) <sub>3</sub> •9H <sub>2</sub> O
21.	NH <sub>4</sub> ClO <sub>4</sub>	34.	Sn(CN) <sub>2</sub>	47.	Ba(HS) <sub>2</sub> •4H <sub>2</sub> O	60.	Sr(CIO) <sub>2</sub>
22.	AIN	35.	KrF <sub>2</sub>	48.	N <sub>2</sub> O	61.	VN
23.	KMnO <sub>4</sub>	36.	Na <sub>3</sub> PO <sub>4</sub>	49.	HNO <sub>3</sub>	62.	Pb(C <sub>2</sub> O <sub>4</sub> ) <sub>2</sub>
24.	Cu <sub>2</sub> SO <sub>4</sub>	37.	CaS	50.	CsHCO <sub>3</sub>	63.	CoF <sub>3</sub>
25.	H <sub>2</sub> SO <sub>4</sub>	38.	Mn(SCN) <sub>2</sub>	51.	Cu <sub>2</sub> S	64.	BaSO <sub>3</sub>
26.	Na <sub>2</sub> CO <sub>3*</sub> 10H <sub>2</sub> O	39.	AgMnO <sub>4</sub>	52.	C <sub>3</sub> S <sub>2</sub>	65.	CuCr <sub>2</sub> O <sub>7</sub>
66.	NI <sub>3</sub>	72.	RaSO <sub>4</sub>	78.	. PbCl <sub>4</sub>	84.	XeO <sub>3</sub>
67.	CrBr <sub>2</sub>	73.	KHC <sub>2</sub> O <sub>4</sub>	79.	. Fe(HC <sub>2</sub> O <sub>4</sub> ) <sub>3</sub>	85.	TiCl <sub>2</sub>
68.	Mg <sub>3</sub> P <sub>2</sub>	74.	Cl <sub>2</sub> O	80.	. I <sub>2</sub> O <sub>5</sub>	86.	HF
69.	FeSO <sub>4</sub> •5H <sub>2</sub> O	75.	TiO <sub>2</sub>	81.	. Hg(NO <sub>3</sub> ) <sub>2</sub>	87.	Sn(CrO <sub>4</sub> ) <sub>2</sub>
70.	Ca(OH) <sub>2</sub>	76.	NiSO4.7H2O	82.	Zn(OH) <sub>2</sub>		Co <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> •8H <sub>2</sub> O
71.	H <sub>3</sub> PO <sub>4</sub>	77.	Mg(ClO <sub>2</sub> ) <sub>2</sub>		. H <sub>2</sub> S		PtS <sub>2</sub>

## Write the chemical formula for each of the following.

111. magnesium chlorate hexahydrate

90.	silver chloride	127.	sodium oxide
91.	sulphur dioxide	128.	barium phosphate
92.	iron(III) oxalate	129.	mercury(I) nitrate dihydrate
93.	beryllium oxide	130.	sodium hypochlorite
94.	lead(II) acetate decahydrate	131.	gold(I) cyanide
95.	potassium chromate		tin(IV) bromide
96.	mercury(I) acetate		hydroiodic acid
97.	molybdenum(III) chloride	134.	tetrasulphur tetranitride
98.	ammonia	135.	fron(II) hydroxide
99.	gold(III) sulphide		copper(I) fluoride
100.	silver dichromate		tin(II) hydrogen carbonate
101	calcium acetate		dinitrogen pentoxide
102.	chromium(III) oxalate		zinc hydrogen sulphite
103	calcium nitrite		zinc perchlorate hexahydrate
104.	difluorine dioxide	141.	gold(III) nitrate
105.	molybdenum(V) oxide		manganese(III) sulphate
106.	silicon tetrafluoride		hydrochloric acid
107.	cadmium(II) acetate		chromium(II) oxide
108.	mercury(II) chloride		zinc hydrogen sulphide
109.	lithium hydrogen sulphite		molybdenum(VI) sulphide
110.	acetic acid		iron(III) carbonate
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148. iodine pentafluoride

112.	2. phosphorus trifluoride				149. manganese(IV) oxide				
113.	copper(II) iodide			150. hydrogen cyanide					
114.	calcium nitride			151. iron(III) sulphate nonahydrate					
115.	magnesium hydroxide			152.	152. potassium nitrite				
116.	molybdenum(V) sulph	ide trihydrate		153.	chromiu	m(III) phosphide	8		
117.	iron(II) dihydrogen phe	osphate				hydroxide			
118.	carbon tetraiodide	2.5.2			ART ID AN COUNTY OF	tetroxide			
119.	zinc sulphate			156.	mercury	(II) thiocyanate			
120.	mercury(i) sulphide			157. nitrous acid					
	sulphurous acid			158. lead(II) carbonate					
122.	iron(II) fluoride octahyo	frate				nydrogen oxalate			
123.	magnesium hydrogen	sulphate				n bromide hexahy	drate		
124.	aluminum sulphide	8			lead(II) id				
	radium carbonate				silver oxi				
126.	xenon tetrafluoride					ese(IV) monohydr	ogen phosphate		
					25				
5.	Write the name of the	following compour	nds.						
		e) (NH <sub>4</sub> ) <sub>2</sub> CO <sub>3</sub>	(i)	(NH <sub>4</sub> ) <sub>2</sub> S	3	(m) LiClO <sub>2</sub>	(g) SnO <sub>2</sub>		
	7 (20 C 20 C C C C C C C C C C C C C C C C	f) VCl <sub>3</sub>	(i)	NH <sub>4</sub> HC		(n) Na <sub>2</sub> HPO <sub>4</sub>	(r) ZnCr <sub>2</sub> O <sub>7</sub>		
	[1] [1] [1] [1] [1] [1] [1] [1] [1] [1]	g) Hg <sub>2</sub> CO <sub>3</sub>	755	FeC <sub>2</sub> O	1000				
		전혀 : '() [ [ [ [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]			Filtera pr	(o) AI(OH) <sub>3</sub>	(s) V <sub>2</sub> O <sub>5</sub>		
	(d) CuCl (	h) CuSO <sub>4</sub>	(1)	Mg(HS	$O_3)_2$	(p) Crl <sub>3</sub>	(t) $Sr_3N_2$		
9. \	Name the following using a) NO <sub>2</sub> (b) CIF <sub>3</sub> Write the formula for the a) sulphur trioxide b) phosphorus pentact (c) xenon hexafluoride	(c) S <sub>4</sub> N <sub>2</sub> (d) For a following composition (d) oxing the following composition (e) can be followed by the following the following composition (e) can be followed by the following composition (figure composition) (figure composition	20 <sub>6</sub> unds. ygen o		le e	SF <sub>4</sub> (g) BrF  (g) tetraphospho (h) dinitrogen po (i) trisilicon tetra	entasulphide		
6.	Write the name of the	ne following hydr	ated	compo	unds.				
	(a) FeBr <sub>3</sub> •6H <sub>2</sub> O	(d) CoF <sub>2</sub> •4H <sub>2</sub>				•10H <sub>2</sub> O			
		(e) Na <sub>2</sub> CO <sub>3</sub> ·h			Ni <sub>3</sub> (PO <sub>4</sub>				
	(b) Li <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub> •2H <sub>2</sub> O								
	(c) Al <sub>2</sub> O <sub>3</sub> •3H <sub>2</sub> O	(f) / Na <sub>2</sub> S+9H <sub>2</sub>	O	(1)	MgHPO	4•7H <sub>2</sub> O			
7.	Write the formula for the following hydrated compounds.								
	(a) iron(III) phospha	ite octahydrate	(d)	chrom	ium(II) o	xalate monohydr	ate		
	(b) cadmium(II) nitra	A S SOM BED - NO BEEN AND SOM WHEN	(e)			de hexahydrate			
		경기 이 나를 하는데 하면 하면 하게 되었다. 그런 사람들은 사람들이 되었다.	1000000						
	(c) copper(ii) phosp	mate imporate	(f)	aumin	ium mua	ate nonahydrate			
			- 1						