Unit 5 Test Review: Chemical Bonds and Compounds

#1 – 5 match the item 1. only forms positive i		descriptions on the left	a. lonic bond	
2. has a high melting point and conducts electricity when melted			b. Metalsc. Covalent bondd. Noble gas	
3. never forms compo	unds			
4. forms when pairs of	f electrons are shared by	two atoms		
5. forms when electron	ns are transferred betwee	en atoms		
6. Write the symbol a a. Magnesium	nd charge expected for b. Gallium		d. Bromine	e. Argon
f. Iron (III)	g. Copper (II)	h. Nitrogen	i. Potassium	
7. Draw an electron of	dot diagram showing th	e appropriate valence el	lectrons for each a	tom below:
B 8. How many electron configuration? S	Sr Kr ns do each of the follow	Cl ving atoms need to gain	, lose, or share to a	achieve noble gas
~	following is a covalent	compound? HCN Mg(OH	H) ₂	
-		e "stairs" on the periodic c, and "N" for none if the		e the type of compound that ot make a compound
Al & O F & Ne	e Ni & Cr	N & I C & CI	Pb & S A	r & S Na & P
	formula and name the items b. Sodium and Oxyger	ionic compounds that w c. Chlorine and		
d. Iron (III) and Fluorine	e e. Cuprous and hydrox	ride f. Sulfate and M	Magnesium	
g. Strontium and Nitrite	h. Zinc and Pe	erchlorate i. lodin	e and Lead (IV)	
j. Ammonium and Oxyg	gen k. Aluminum a	nd Sulfur I. Barium and C	Carbonate	
m. Nitrate and Ammoni	ium n. Cobalt(III) a	nd lodine o.Sulfite and G	Sallium	
12. Write the name of covalent compounds		mixed compounds. Be s	sure to use differer	nt naming rules for ionic and
Na ₂ O		N_2O_6		Pb(OH) ₂
(NH ₄) ₂ S		SiO ₂	Fe	eSO ₄
U ₂ C ₀		⊔Dr∩.		

13. Write the chemical forr	nula for each of the following m	ixed compounds	
Copper (I) Phosphate	DiPhosphorus Pentoxide	Magnesium Fluoride	Hydrofluoric acid
Chromium (VI) Chlorite	Iron (II) Oxide	Nitrogen Tribromide	Chlorous acid
14. Draw a Lewis Structure	e for each of the following		
SiO ₂	CO		
NF ₃	NO ₃ -1		
SO ₂	SO ₃		
CH ₄			
	ng molecules which you already ny polar bonds? Is the overall r		above, determine the
SiO ₂			
NF ₃			
SO_2			
CH ₄			
SO ₃			
003			