NAMING COMPOUNDS (MIXED)

Name Key

Name the following compounds.

1.	NaCl	Sodium chloride	I
2.	MnS	Manganese II sulphide	I
3.	K_2O	potassium oxide	I
4.	$CuBr_2$	copper II bromide	I
5.	CuBr	copper I bromide	I
6.	CO_2	carbon dioxide	C
7.	$PbSO_4$	lead II sulphate	I
8.	Li_2CO_3	lithium carbonate	I
9.	Na_2CO_3	sodium carbonate	I
10.	NO_2	nitrogen dioxide	C
11.	N_2O_4	dinitrogen tetraoxide	C
12.	$Ca(OH)_2$	calcium hydroxide	I
13.	NH_4Cl	ammonium chloride	I
14.	SO_3	sulphur trioxide	C
15.	$AlPO_4$	aluminium phosphate	I
16.	CCl_4	carbon tetrachloride	C
17.	CaS	Calcium sulphide	I
18.	NH_3	nitrogen trihydride	C
19.	MgI_2	magnesium iodide	I
20.	K_3PO_4	potassium phosphate	I

Chapter 7 – Ionic and Covalent Compounds Name: Key

Write the chemical formula for the binary ionic compounds formed between the following elements:

1. potassium and iodine KI
2. zinc and chlorine $ZnCl_2$
3. aluminum and nitrogen AlN

Name the following binary ionic compounds.

1. NaF sodium fluoride
2. $CaCl_2$ calcium chloride
3. Al_2S_3 aluminum sulphide
4. AgBr silver bromide
5. Li_3N lithium nitride
6. BaS barium sulphide

Write the correct chemical formula for the following binary ionic compounds.

1. magnesium oxide MgO
2. aluminum fluoride AlF_3
3. calcium bromide $CaBr_2$
4. zinc iodide ZnI_2
5. silver sulfide Ag_2S
6. calcium nitride Ca_3N_2
7. sodium oxide Na_2O
8. lithium chloride LiCl
9. magnesium phosphide MgP

Name the following ~~molecular~~ covalent compounds based on the formula.

1. BF_3 boron trifluoride
2. N_2H_4 dinitrogen tetrahydride
3. SO_3 sulphur trioxide
4. CS_2 carbon disulphide
5. CBr_4 carbon tetrabromide
6. I_4O_9 tetraiodine octaoxide
7. N_2O_3 dinitrogen trioxide
8. IBr iodine monobromide

Write the correct formula for the following ~~molecular~~ covalent compounds based on the name.

1. chlorine dioxide ClO_2
2. xenon tetrafluoride XeF_4
3. disulfur tetroxide S_2O_4
4. arsenic pentachloride $AsCl_5$
5. dihydrogen monosulfide H_2S
6. tetraphosphorus hexoxide P_4O_6
7. dichlorine monoxide Cl_2O
8. diiodine heptoxide I_2O_7