Name: _____

Nomenclature Worksheet #2

Multivalent Ions

STOCK SYSTEM	OLD SYSTEM	Formula
Tin (II) bromide	Stannous bromide	$SnBr_2$
Copper (I) oxide	Cuprous oxide	Cu_2O
Lead (II) chloride	Plumbous chloride	$PbCl_2$
Copper (II) oxide	Cupric oxide	CuO
Mercury II fluoride	Mercuric fluoride	HgF_2
Lead (IV) chloride	Plumbic chloride	$PbCl_2$
Tin (II) sulphide	Stannous sulfide	SnS
Lead (IV) oxide	Plumbuc oxide	PbO_2
Copper (II) chloride	Cupric chloride	$CuCl_2$
Lead (II) fluoride	Plumbous fluoride	PbF_2
Mercury (I) iodide	Mercurous iodide	HgI
Nickel (II) bromide	Nicklous bromide	$NiBr_2$
Tin (IV) fluoride	Stannic fluoride	SnF_4
Cobalt (III) iodide	Cobaltic iodide	CoI_3
Gold (I) sulfide	Aurous sulphide	Au_2S
Lead (IV) chloride	Plumbic chloride	$PbCl_4$
Lead (IV) oxide	Plumbic oxide	PbO_2

Nomenclature Worksheet 3 – Covalent (Molecular) Compounds

Part A: Name the following covalent compounds.

1. CO carbon monoxide
2. CO_2 carbon dioxide
3. N_2O_3 dinitrogen trioxide
4. N_2 nitrogen gas
5. NP nitrogen monophosphide
6. SCl_2 sulphur dichloride
7. P_2O_5 diphosphorus pentoxide
8. NBr_3 nitrogen tribromide
9. CI_4 carbon tetraiodide
10. CCl_4 carbon tetrachloride
11. PF_5 phosphorus pentafluoride
12. PF_3 phosphorus trifluoride
13. OS oxygen monosulphide
14. SeF_2 selenium difluoride
15. $TeBr_2$ tellurium dibromide
16. P_2S_5 diphosphorus pentasulphide
17. C_3N_4 tricarbon tetranitride
18. F_2 fluorine gas
19. CH_4 carbon tetrahydride
20. PH_3 phosphorus trihydride

Part B: Write the Chemical Formula for each of the following compounds.

1. carbon tetrafluoride CF_4
2. silicon dioxide SiO_2
3. dinitrogen trisulfide N_2S_3
4. phosphorus mononitride PN
5. hydrogen gas $H_2(g)$
6. carbon disulfide CS_2
7. nitrogen trichloride NCl_3
8. silicon tetrabromide $SiBr_4$
9. carbon dioxide CO_2
10. nitrogen trifluoride NF_3
11. boron trisulfide BS_3
12. sulphur trioxide SO_3
13. selenium tetrafluoride SeF_4
14. diphosphorus pentasulfide P_2S_5
15. xenon tetrafluoride XeF_4
16. sulfur dibromide SBr_2
17. carbon tetrachloride CCl_4
18. oxygen gas $O_2(g)$
19. fluorine gas $F_2(g)$
20. dinitrogen tetroxide N_2O_4