

Name: Key

Block: _____

Date: _____

Covalent Bonding Practice

Use a periodic table and your covalent bonding notes to help you with this worksheet. Write the correct chemical formulae for the following molecular compounds.

1) Sulphur hexafluoride SF₆

2) Phosphorous pentafluoride PF₅

3) Dinitrogen monoxide N₂O

4) Silicon tetrachloride SiCl₄

5) Tellurium diiodide TeI₂

6) Diphosphorous pentaoxide P₂O₅

7) Xenon hexafluoride XeF₆

8) Xenon trioxide XeO₃

9) Bromine pentafluoride BrF₅

10) Carbon tetrabromide CBr₄

11) Oxygen ^{mono}fluoride OF

12) Iodine tribromide IBr₃

13) Silicon tetraiodide SiI₄

14) Dinitrogen tetroxide N₂O₄

15) Carbon monoxide CO

16) Selenium difluoride SeF₂

17) Nitrogen tribromide NBr₃

Write the chemical names for following molecular compounds:

- 18) SiO_2 Silicon dioxide
- 19) PCl_3 Phosphorous trichloride
- 20) SiF_4 Silicon tetrafluoride
- 21) N_2O Dinitrogen monoxide
- 22) SO_3 Sulphur trioxide
- 23) N_2O_5 Dinitrogen pentaoxide
- 24) IF_5 Iodine pentafluoride
- 25) SF_6 Sulphur hexafluoride
- 26) ClO_2 Chlorine dioxide
- 27) P_4S_3 Tetraphosphorous trisulphide
- 28) NO Nitrogen monoxide
- 29) BCl_3 Boron trichloride
- 30) SF_4 Sulphur tetrafluoride
- 31) XeF_4 Xenon tetrafluoride
- 32) Cl_4 Carbon tetraiodide
- 33) H_2O Dihydrogen monoxide
- 34) SbF_5 Antimony pentafluoride
- 35) NH_3 Nitrogen trihydride