

Nomenclature Worksheet 3 – Covalent (Molecular) Compounds

Part A: Name the following covalent compounds.

1. CO Carbon monoxide
2. CO₂ Carbon dioxide
3. N₂O₃ Dinitrogen trioxide
4. N₂ ~~omit~~ *nitrogen gas*
5. NP Nitrogen monophosphide
6. SCl₂ Sulfur dichloride
7. P₂O₅ Diphosphorous pentoxide
8. NBr₃ Nitrogen tribromide
9. ClI₄ Carbon tetraiodide
10. CCl₄ Carbon tetrachloride
11. PF₅ Phosphorous pentafluoride
12. PF₃ Phosphorous trifluoride
13. OS oxygen monosulfide
14. SeF₂ Selenium difluoride
15. TeBr₂ Tellurium dibromide
16. P₂S₅ Diphosphorous pentasulfide
17. C₃N₄ Tricarbon tetranitride
18. F₂ ~~omit~~ *fluorine gas*
19. CH₄ Carbon tetrahydride
20. PH₃ Phosphorous trihydride

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

1. carbon tetrafluoride CF₄
2. silicon dioxide SiO₂
3. dinitrogen trisulfide N₂S₃
4. phosphorus mononitride PN
5. hydrogen gas H₂
6. carbon disulfide CS₂
7. nitrogen trichloride NCl₃
8. silicon tetrabromide SiBr₄
9. carbon dioxide CO₂
10. nitrogen trifluoride NF₃
11. boron trisulfide BS₃
12. sulphur trioxide SO₃
13. selenium tetrafluoride SeF₄
14. diphosphorus pentasulfide P₂S₅
15. xenon tetrafluoride XeF₄
16. sulfur dibromide SBr₂
17. carbon tetrachloride CCl₄
18. oxygen gas O₂
19. fluorine gas F₂
20. dinitrogen tetroxide N₂O₄