

Formulas & Naming 2 & 3

CHEMISTRY 210

Formula-Writing / Naming Practice • Covalent Compounds & Acids

Covalent Compounds

1. Cl_2O_5	dichlorine pentoxide
2. PBr_3	phosphorus tribromide
3. ClO_3	chlorine trioxide
4. N_3O_8	trinitrogen octoxide
5. XeF_6	xenon hexafluoride
6. oxygen difluoride	OF_2
7. tetraphosphorus decaoxide	P_4O_{10}
8. phosphorus pentachloride	PCl_5
9. diphosphorus monosulfide	P_2S
10. dichlorine trinitride trisulfur diphosphide	S_3P_2

Acids

11. H_2Se	hydroselenic acid
12. H_2SO_3	sulfurous acid
13. HNO_3	nitric acid
14. CH_3COOH (note: for organic acids, only the H next to the COO is acidic)	acetic acid
15. HF	hydrofluoric acid
16. hydrocyanic acid	HCN
17. hypochlorous acid	HClO
18. phosphoric acid	H_3PO_4
19. hydroiodic acid	HI
20. chlorous acid	HClO_2