

WKS 1-5: Stock System; Naming & Formulas of Binary Molecular (Covalent) Compounds

The Stock System: formulas & naming of ionic compounds

<u>Name to Formula</u> (Put charges on ions first!!! Then make neutral.)	<u>Formula to Name</u> (Don't forget roman numerals for metals with more than one possible charge.)
21. tin(IV) chromate	22. PbO ₂
23. zinc carbonate	24. FeSO ₄
25. mercury (II) chloride	26. Ni(NO ₂) ₃
27. iron (III) oxide	28. CuCl ₂
29. vanadium(V) hydroxide	30. Mo ₂ S ₃
31. manganese (IV) carbonate	32. NbI ₅
33. chromium(VI) oxide	34. Zn(OH) ₂
35. iridium(IV) phosphate	36. AgNO ₃

Naming Binary molecular Compounds (two non-metals, not starting w/H)

In the table below, determine the formula of the binary covalent compound or acid from its name, or the name of the compound from the formula.

<u>Name to Formula</u>	<u>Formula to Name</u>
37. antimony tribromide	38. P ₄ S ₅
39. dinitrogen trioxide	40. Si ₂ Br ₆
41. ammonia	42. SCl ₄
43. phosphorus triiodide	44. CH ₄
45. carbon monoxide	46. N ₂ O
47. tetraiodine nonoxide	48. IF ₇
49. bromine trichloride	50. P ₄ O ₁₀
51. xenon hexafluoride	52. SeF ₄