

WKS
Naming & Formulas of Covalent
Compounds & Acids WS

NAME _____
Period _____ **Date** _____

1. What is a binary molecular compound?

2. In the table below, fill in the prefix corresponding to the number of atoms in the formula:

Number	Prefix	Number	Prefix
1		6	
2		7	
3		8	
4		9	
5		10	

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.

Name to Formula	Formula to Name
3. antimony tribromide	14. P ₄ S ₅
4. iodine pentafluoride	15. SeO ₃
5. dinitrogen trioxide	16. Si ₂ Br ₆
6. ammonia	17. SCl ₄
7. phosphorus triiodide	18. CH ₄
8. carbon monoxide	19. NF ₃
9. phosphorous pentachloride	20. N ₂ O
10. tetraiodine nonoxide	21. IF ₇
11. bromic acid	22. HClO
12. phosphorous acid	23. HF
13. hydroiodic acid	24. H ₂ CO ₃

25. What is the difference between a binary acid and an oxyacid? How are each named?