

Name: _____

Period: _____ Subject: _____

Date: _____

Nomenclature (Acids/Covalent Compounds)

Give the appropriate chemical formulas for the following compounds. Be sure to include the proper subscripts for each atom.

- | | |
|---------------------------|-----------------------------------|
| 1. Hydrobromic acid | <u>HBr</u> |
| 2. Carbon tetrachloride | <u>CCl₄</u> |
| 3. Nitrous acid | <u>HNO₂</u> |
| 4. Sulfur dioxide | <u>SO₂</u> |
| 5. Nitric acid | <u>HNO₃</u> |
| 6. Silicon dioxide | <u>SiO₂</u> |
| 7. Hydrofluoric acid | <u>HF</u> |
| 8. Chlorine tetrafluoride | <u>ClF₄</u> |
| 9. Dinitrogen tetroxide | <u>N₂O₄</u> |
| 10. Sulfur tetrabromide | <u>SBr₄</u> |

List the name of each of the compounds represented by the following chemical formulas:

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|------------------------------------|----------------------------------|
| 11. ClF ₃ | <u>chlorine trifluoride</u> |
| 12. HI | <u>hydroiodic acid</u> |
| 13. SI ₆ | <u>sulfur hexaiodide</u> |
| 14. H ₂ SO ₃ | <u>sulfurous acid</u> |
| 15. CO | <u>carbon monoxide</u> |
| 16. H ₃ PO ₄ | <u>phosphoric acid</u> |
| 17. PF ₅ | <u>phosphorus pentafluoride</u> |
| 18. H ₂ Se | <u>hydroselenic acid</u> |
| 19. SiSe ₂ | <u>silicon diselenide</u> |
| 20. P ₂ S ₅ | <u>diphosphorus pentasulfide</u> |