

College Prep Chemistry of the Earth System

Assignment 4N

30 Points

Binary Covalent Bond Nomenclature

Name the following molecules from the formula.

Use binary molecule name, not organic (don't use google for answers)

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|---------------------|----------------------------------|
| 1. HCl | 6. CO ₂ |
| 2. CH ₄ | 7. OBr ₂ |
| 3. CCl ₄ | 8. N ₂ S ₃ |
| 4. NH ₃ | 9. ClBr |
| 5. PCl ₅ | 10. SF ₆ |

Write the formula for the following molecules

11. Hydrogen monobromide
12. Carbon tetrafluoride
13. Dihydrogen monosulfide
14. Dinitrogen Trioxide
15. Oxygen difluoride