

The Mole Concept and Nomenclature

Guided Practice

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|---------------------------|--------------|--------------|---------------------------|
| 1. bromine trioxide | BrI_3 | 1. CO_2 | Carbon dioxide |
| 2. tetrarsenic decoxide | As_4O_{10} | 2. CCl_4 | Carbon tetrachloride |
| 3. dinitrogen trioxide | N_2O_3 | 3. PCl_5 | Phosphorous pentachloride |
| 4. nitrogen triiodide | NI_3 | 4. SeF_6 | Selenium hexafluoride |
| 5. sulfur hexafluoride | SF_6 | 5. As_2O_5 | diarsenic pentoxide |
| 6. phosphorus trichloride | PCl_3 | 6. XeF_6 | Xenon hexafluoride |
| 7. carbon monoxide | CO | 7. SO_3 | Sulfur trioxide |
| 8. diphosphorus pentoxide | P_2O_5 | 8. N_2S_4 | dinitrogen tetrasulfide |
| 9. dihydrogen monoxide | H_2O | 9. NI_3 | Nitrogen triiodide. |

Independent Practice

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| 1. dinitrogen monoxide | 1. P_4S_3 |
| 2. sulfur trioxide | 2. CBr_4 |
| 3. iodine trichloride | 3. N_2O |
| 4. phosphorus pentabromide | 4. SeF_6 |
| 5. carbon tetraiodide | 5. B_2Cl_4 |
| 6. phosphorus trichloride | 6. AsF_5 |
| 7. dinitrogen trioxide | 7. BF_3 |
| 8. disulfur dichloride | 8. P_4S_3 |
| 9. dinitrogen pentoxide | 9. Cl_2O_7 |
| 10. carbon diselenide | 10. CO |