

## Unit 9 – Exercise 4 - Molecular Compounds

- Describe the properties of molecular compounds and the evidence that supports those properties.
- Name each of the following molecular compounds.
  - $\text{CBr}_4$
  - $\text{N}_2\text{P}_3$
  - $\text{PCl}_3$
  - $\text{ICl}$
  - $\text{N}_2\text{O}$
  - $\text{SF}_6$
  - $\text{PCl}_5$
  - $\text{N}_2\text{Br}_3$
  - $\text{P}_2\text{S}_5$
  - $\text{CO}_2$
  - $\text{NH}_3$
  - $\text{SO}_2$
- Write the formula for the following molecular compounds.
  - phosphorus triiodide
  - sulfur tetrachloride
  - dinitrogen pentoxide
  - dinitrogen tetroxide
  - carbon monoxide
  - carbon dioxide
  - sulfur hexachloride
  - dinitrogen trichloride
  - carbon tetraiodide
  - phosphorus pentafluoride
  - diphosphorus pentoxide