

Section 9B – Naming Molecules

Practice

1) Name the following covalent compounds.

- a) PCl_3 b) NI_3 c) SH_2 d) SiO_2 e) IF_5

2) Give the formulas for the following compounds

- a) sulfur trioxide b) silicon tetrahydride c) nitrogen trichloride
d) dihydrogen oxide e) dinitrogen pentoxide

3) Name the following ACIDS:

- a) HCl b) CH_3COOH c) H_2CO_3 d) HClO e) HBr

4) Give the formulas for each of the following compounds:

- a) sulfuric acid b) iodine pentabromide c) ozone
d) arsenic trihydride e) sulfur dichloride f) perchloric acid
g) carbon monoxide h) magnesium sulfate heptahydrate

5) Name the following organic molecules:

- a) $\text{CH}_3\text{CH}_2\text{OH}$ b) $\text{CH}_3\text{CH}_2\text{OCH}_2\text{CH}_3$ c) $\text{CH}_3\text{CH}_2\text{NH}_2$
d) $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{OH}$ e) $\text{CH}_3\text{OCH}_2\text{CH}_3$