

CHE 101 - Homework - Ch 4d
Molecular Compounds

p. 108-110

Score: ____/30

Name: _____

Date: _____

[5 pt] 1. List the 7 metalloids. Circle the ones that are generally named using the Molecular naming rules.

[5 pt] 2. Write the formula **AND** name the 10 most common acids.

[10 pt] 3. Name the following molecules:

(a) SO_3 3(a) _____

(b) N_2O_4 3(b) _____

(c) H_2CO_3 3(c) _____

(d) PF 3(d) _____

(e) SiCl_5 3(e) _____

(f) B_2O 3(f) _____

(g) HCl 3(g) _____

(h) Cl_5O_4 3(h) _____

(i) C_8Br_9 3(i) _____

(j) P_7Cl_6 3(j) _____

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[10 pt] 4. Write the formula for the following molecules:

(a) Nitrogen Triphosphide 4(a) _____

(b) Disulfur Hexafluoride 4(b) _____

(c) Perchloric Acid 4(c) _____

(d) Diboron Decaoxide 4(d) _____

(e) Chlorine Monobromide 4(e) _____

(f) Tricarbon Heptafluoride 4(f) _____

(g) Pentaboron Nonaiodide 4(g) _____

(h) Dichlorine Monoxide 4(h) _____

(i) Hydrofluoric Acid 4(i) _____

(j) Octaoxygen Octasulfide 4(j) _____