

**CHE 101 - Homework - Ch 4d**  
**Molecular Compounds**

p. 108-110

Score: \_\_\_\_\_/30

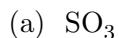
Name: \_\_\_\_\_

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.

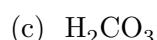
[10 pt] 3. Name the following molecules:



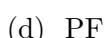
3(a) \_\_\_\_\_



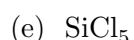
3(b) \_\_\_\_\_



3(c) \_\_\_\_\_



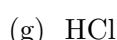
3(d) \_\_\_\_\_



3(e) \_\_\_\_\_



3(f) \_\_\_\_\_



3(g) \_\_\_\_\_



3(h) \_\_\_\_\_



3(i) \_\_\_\_\_



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) \_\_\_\_\_