

# Preclass Assignment

## CHEM 1050-Chemistry and the Citizen

Name:

#3

Section: 03, MW

Due Date: Monday 1/25/2016

1. Define the following:

a. covalent bond

b. cation

c. anion

d. ionic bond

2. Write the names of the 10 prefixes used for molecular compounds.

3. Write the name or the formula for each of the following molecular compounds:

a. trigermanium tetranitride

c.  $\text{Cl}_2\text{O}_8$

b. diantimony pentasulfide

d.  $\text{B}_3\text{Si}$

4. State the expected numeric value of the charge (1+, 1-, etc.) for the following ions:

a. a cation in group 1a

b. a cation in group 2a

c. a main-group cation in group 3a

d. a main-group anion in group 5a

e. a main-group anion in group 6a

f. a main-group anion in group 7a