

# Chem151-Tutorial Assignment #1 (Fall 2009)

## What's in a Name?

### The Nomenclature of Inorganic Compounds

Name \_\_\_\_\_  
Last first

Chem ID \_\_\_\_\_

TA \_\_\_\_\_

Neatly write the answers to the following questions. Submit the document to the Green locker in the 3<sup>rd</sup> floor hallway of Laboratory Science Building before 5 pm 9/14/09 (Monday).

(16)1. Fill in the blanks with the names or formulas of the compounds/ ions.

Formula	Name	Formula	Name
$\text{Cu}_2\text{O}$			Magnesium acetate
$\text{Ba}(\text{MnO}_4)_2$			Hydroiodic acid
$\text{GaAsO}_4$			Ferric hydrogen sulfate
$\text{CsBrO}_4$			Mercury(I) chloride
$\text{H}_2\text{S (aq)}$			Aluminum bicarbonate
$\text{CCl}_4$			Potassium oxalate
$\text{Na}_2\text{O}_2$			Perbromic acid
$\text{OF}_2$			Xenon tetrafluoride

(4)2. Based on the Table of Common Polyatomic Ions (in the **Related Tutorial: "Molecular Representations"**), circle the smallest anion in each group in the following:

- a)  $\text{CN}^-$      $\text{OH}^-$      $\text{NO}^-$      $\text{CH}^-$
- b)  $\text{ClO}_4^-$      $\text{MnO}_4^-$      $\text{SO}_4^{2-}$      $\text{PO}_4^{3-}$
- c)  $\text{NO}_3^-$      $\text{CO}_3^{2-}$      $\text{SO}_3^{2-}$      $\text{PO}_3^{3-}$