

Chemistry Unit 4 worksheet #2**Naming compounds and writing formulas for compounds with POLYATOMIC IONS**

• LOOK AT PAGE 3 OF YOUR "BIBLE" CAREFULLY

• DON'T EVEN THINK OF TRYING TO RE-NAME $C_2H_3O_3$ --- IT ALREADY HAS A NAME

1. Write the correct formula for a compound made from:

ions	Formula	to be filled in later
Li and OH		
K and CN		
Ba and OH		
Na and CO_3		
Al and CO_3		
NH_4 and PO_4		

2. Write correct formulas for compounds made from the following ions. Be sure to include Roman numerals in the formula where they are appropriate.

Ions	Formula	to be filled in later
$Pb_{(II)}$ and NO_3		
$Ni_{(III)}$ and ClO_4		
lead $_{(II)}$ and tartrate		
iron $_{(III)}$ and carbonate		
$U_{(VI)}$ and F		

3. Name the following compounds using the Stock system with Roman numerals when appropriate.

$Na_3C_6H_5O_7$		
$KBrO_3$		
NaBr		
$Pb_{(II)}(NO_2)_2$		
$KSiF_6$		
$Mg_2P_4O_7$		