Ionic Nomenclature Worksheet

I. Write the formula for each of the compounds.

1)	**copper(II) sulfate**	**10)**	**barium hydroxide**
2)	**ammonium nitrate**	**11)**	**calcium chlorate**
3)	**lithium dichromate**	**12)**	**aluminum sulfite**
4)	**magnesium acetate**	**13)**	**chromium(II) oxide**
5)	**sodium arsenate**	**14)**	**potassium periodate**
6)	**chromium(II) hydroxide**	**15)**	**sodium hypochlorite**
7)	**lead(II) sulfate**	**16)**	**ammonium dichromate**
8)	**tin(IV) phosphate**	**17)**	**potassium hydrogen sulfide**
9)	**sodium bicarbonate**	**18)**	**lithium perchlorate**

II. Give the name of the following compounds. In the case of transition metals, give both the Stock System and the Traditional System.

1)	**$Fe_2(SO_4)_3$**	**10)**	**Ag_2SO_4**
2)	**Na_3PO_4**	**11)**	**$Co(OH)_2$**
3)	**$Pb(NO_3)_2$**	**12)**	**$AgClO_3$**
4)	**$FeCl_3$**	**13)**	**K_2SO_3**
5)	**KIO_3**	**14)**	**$CrCO_3$**
6)	**CaF_2**	**15)**	**$K_2C_2O_4$**
7)	**$NaHSO_4$**	**16)**	**$CaCr_2O_7$**
8)	**CuS_2O_3**	**17)**	**$ZnCO_3$**
9)	**PbF_2**	**18)**	**CuS**

Solutions

I. Write the formula for each of the compounds.

1)	**$CuSO_4$**	**10)**	**$Ba(OH)_2$**
2)	**NH_4NO_3**	**11)**	**$Ca(ClO_3)_2$**
3)	**$Li_2Cr_2O_7$**	**12)**	**$Al_2(SO_3)_3$**
4)	**$Mg(C_2H_3O_2)_2$**	**13)**	**CrO**
5)	**Na_3AsO_4**	**14)**	**KIO_4**
6)	**$Cr(OH)_2$**	**15)**	**NaClO**
7)	**$PbSO_4$**	**16)**	**$(NH_4)_2Cr_2O_7$**
8)	**$Sn_3(PO_4)_4$**	**17)**	**KHS**
9)	**$NaHCO_3$**	**18)**	**$LiClO_4$**

II. Give the name of the following compounds. In the case of transition metals, give both the Stock System and the Traditional System.

1)	**iron(III) sulfate, ferric sulfate**	**10)**	**silver sulfate**
2)	**sodium phosphate**	**11)**	**cobalt(II) hydroxide, cobaltous hydroxide**
3)	**lead(II) nitrate, plumbous nitrate**	**12)**	**silver chlorate**
4)	**iron(III) chloride, ferric chloride**	**13)**	**potassium sulfite**
5)	**potassium iodate**	**14)**	**chromium(II) carbonate, chromous carbonate**

6) **calcium fluoride**

7) **sodium hydrogen sulfate, sodium bisulfate**

8) **copper(II) thiosulfate, cupric thiosulfate**

9) **lead(II) fluoride, plumbous fluoride**

15) **potassium oxalate**

16) **calcium dichromate**

17) **zinc carbonate**

18) **copper(II) sulfide, cupric sulfide**