Wet Labs: Writing Formulas - Practice

Hamilton Homeschool 1st Semester 2015-2016

Name: ANS KEY **Date:**_____

Directions: On the ***front***, write the ***formulas*** of the compounds formed from the listed ions.
On the ***back***, write the ***names*** of the compounds formed from the listed ions.

	Cl^-	CO_3^{-2}	OH^-	SO_4^{-2}	PO_4^{-3}	NO_3^-
Na^+	$NaCl$	Na_2CO_3	$NaOH$	Na_2SO_4	Na_3PO_4	$NaNO_3$
NH_4^+	NH_4Cl	$(NH_4)_2CO_3$	NH_4OH	$(NH_4)_2SO_4$	$(NH_4)_3PO_4$	NH_4NO_3
K^+	KCl	K_2CO_3	KOH	K_2SO_4	K_3PO_4	KNO_3
Ca^{+2}	$CaCl_2$	$CaCO_3$	$Ca(OH)_2$	$CaSO_4$	$Ca_3(PO_4)_2$	$Ca(NO_3)_2$
Mg^{+2}	$MgCl_2$	$MgCO_3$	$Mg(OH)_2$	$MgSO_4$	$Mg_3(PO_4)_2$	$Mg(NO_3)_2$
Zn^{+2}	$ZnCl_2$	$ZnCO_3$	$Zn(OH)_2$	$ZnSO_4$	$Zn_3(PO_4)_2$	$Zn(NO_3)_2$
Fe^{+3}	$FeCl_3$	$(Fe)_2(CO_3)_3$	$Fe(OH)_3$	$Fe_2(SO_4)_3$	$FePO_4$	$Fe(NO_3)_3$
Al^{+3}	$AlCl_3$	$(Al)_2(CO_3)_3$	$Al(OH)_3$	$Al_2(SO_4)_3$	$AlPO_4$	$Al(NO_3)_3$
Co^{+3}	$CoCl_3$	$(Co)_2(CO_3)_3$	$Co(OH)_3$	$Co_2(SO_4)_3$	$CoPO_4$	$Co(NO_3)_3$
Fe^{+2}	$FeCl_2$	$FeCO_3$	$Fe(OH)_2$	$FeSO_4$	$Fe_3(PO_4)_2$	$Fe(NO_3)_2$
H^+	HCl	H_2CO_3	H_2O	H_2SO_4	H_3PO_4	HNO_3

	Cl^- Chloride	CO_3^{-2} Carbonate	OH^- Hydroxide	SO_4^{-2} Sulfate	PO_4^{-3} Phosphate	NO_3^- Nitrate
Na^+ Sodium	Sodium (eg.) Chloride					
NH_4^+ Ammonium						
K^+ Potassium						
Ca^{+2} Calcium						
Mg^{+2} Magnesium						
Zn^{+2} Zinc						
Fe^{+3} Iron(III)						
Al^{+3} Aluminium						
Co^{+3} Cobalt(III)						
Fe^{+2} Iron(II)						
H^+ Hydrogen	Hydrochloric Acid	Carbonic Acid	Water	Sulfuric Acid	Phosphoric Acid	Nitric Acid

Di Hydrogen Monoxide

Hydroxide