

WRITING FORMULAS (CRISS-CROSS METHOD)

Name _____

Write the formulas of the compounds produced from the listed ions.

	Cl^-	CO_3^{-2}	OH^-	SO_4^{-2}	PO_4^{-3}	NO_3^-
Na^+						
NH_4^+						
K^+						
Ca^{+2}						
Mg^{+2}						
Zn^{+2}						
Fe^{+3}						
Al^{+3}						
Co^{+3}						
Fe^{+2}						
H^+						

Name _____ Date _____ Hour _____

Polyatomic Ion Web Activity

Go to the following website and complete the Drag and Drop activity. Try for a perfect score. Have Ms. Mary or Mrs. Nickel initial your paper with your final score.

<http://www.chemfiles.com/flash/polyions.html>

Go to the following website and complete the Matching activity. Try for a high score. Have Ms. Mary or Mrs. Nickel initial your paper to receive credit when you are finished.

<http://www.quia.com/mc/65694.html>

Complete the table below. Determine the names and formulas of the compounds formed from these combinations of ions.

Cation	Anion	Formula	Name
Na^+	CO_3^{2-}		
Ca^{2+}	PO_4^{3-}		
Al^{3+}	OH^-		
K^+	ClO_3^-		
Fe^{2+}	SO_4^{2-}		
Fe^{3+}	NO_3^-		
Cu^{2+}	$\text{C}_2\text{H}_3\text{O}_2^-$		
NH_4^+	NO_3^-		