

Name _____ Period _____

CP Chemistry of the Earth

Assignment 2O – Polyatomic Ion Compounds (*Part 1*)

30 Points

Complete the following chart using the in class polyatomic ion chart, including name and charge

Poly Ion	Ion Name	Charge	Poly Ion	Ion Name	Charge
NO_3^{1-}			SO_4^{2-}		
CN^{1-}			CrO_4^{2-}		
BrO_3^{1-}			PO_4^{3-}		
OH^{1-}			NH_4^{1+}		

Complete the following ionic compounds based on the chart below using the cross method.

Elements	Na	NO_3^{1-}	Si^{4+}	CN^{1-}	Cu^{3+}	SO_4^{2-}
Ion Charge						
Cross Method						
Ionic Formula						

Elements	Al	CrO_4^{2-}	Fe^{2+}	PO_4^{3-}	V^{3+}	NO_3^{1-}
Ion Charge						
Cross Method						
Ionic Formula						

Elements	Si^{4+}	BrO_3^{1-}		W^{6+}	OH^{1-}		Mg	ClO_3^{1-}
Ion Charge								
Cross Method								
Ionic Formula								