

Name _____ Period _____

CP Chemistry of the Earth

Assignment 2N – Polyatomic Ion Compounds (Part 2)

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
SCN ¹⁻			C ₂ O ₄ ²⁻		
HCO ₃ ¹⁻			S ₂ O ₃ ²⁻		
MnO ₄ ¹⁻			HPO ₄ ²⁻		
FO ₃ ¹⁻			Cr ₂ O ₇ ²⁻		

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

Elements	K	HPO ₄ ²⁻	Al	C ₂ O ₄ ²⁻	Sn ⁴⁺	MnO ₄ ¹⁻
Ion Charge						
Cross Method						
Ionic Formula						

Elements	Ca	CO ₃ ²⁻	Cd ³⁺	PO ₄ ³⁻	Pb ⁴⁺	SO ₄ ²⁻
Ion Charge						
Cross Method						
Ionic Formula						

Elements	W^{6+}	$\text{Cr}_2\text{O}_7^{2-}$		Be	HPO_4^{2-}		Si	$\text{S}_2\text{O}_3^{2-}$
Ion Charge								
Cross Method								
Ionic Formula								