

Name _____ Period _____

CP Chemistry of the Earth

Assignment 4J – Binary Ionic Compound Review (*Part 2*)

20 Points

For the following representative metal and non-metal atoms, determine the ion name and charge

Atomic Symbol	Periodic Group*	Neutral Atom Name	Ion Charge	Metal or Non-Metal Ion Name (<i>Ion Name + Ion</i>)**
Cr ²⁺				
Ti ⁴⁺				
Zn ¹⁺				
Pd ³⁺				

*1A – 8A, 1B – 10B, 1 - 18, ** Check chart for correct ending, anions -ide, cations, no change

Elements	Cr ²⁺	S	Ti ⁴⁺	O	Zn ¹⁺	Br
Ion Charge						
Cross Method						
Ionic Formula						
Elements	Pd ³⁺	N	W ⁶⁺	P	Sn ⁴⁺	Se
Ion Charge						
Cross Method						
Ionic Formula						

Elements	W ⁶⁺	Se		Nb ²⁺	F		Sc ³⁺	Cl
Ion Charge								
Cross Method								
Ionic Formula								