

Name _____ Period _____

CP Chemistry of the Earth

Assignment 2J – Introduction to Ionic Bonding

20 Points

Define the following terms based on the ion review

Ionic Bond	Octet Rule
Cation	Anion

Answer the following questions

How is an ionic bond formed?	Why do cations and anions stay together in an ionic bond?

Complete the chart below for ions and ionization based on the chart above

Element Symbol	Na	Br	Sr	S	Fe	V	Ag	Ti
Group Number								
Valance Electrons					2	3	1	4
Ion Charge								
Lose/Gain e ⁻								
Ion Valence Electrons								

* For Transition Elements, Use the same chart section based on the valance electrons shown