

Name _____ Period _____

Freshmen Transition

Assignment 2D – Ions and the Octet Rule

20 Points

Define the following terms based on ions and ion structure

Ion	Octet Rule
Cation	Anion

For the following atoms and ions determine the given information

Element	Symbol	Valence Electrons	Ion Charge	Cation or Anion	Lose or Gain Number e ⁻	Ion Val Electrons
Sodium	Na					
Magnesium	Mg					
Potassium	K					
Aluminum	Al					
Nitrogen	N					
Silicon	Si		+4			
Helium	He					
Phosphorous	P					
Bromine	Be					
Selenium	Se					