

1.16

- Enter the names and draw the Bohr diagrams for the stable ions of the first twenty elements (see the key below)
- Enter the ionic charge for each element (see Pg 5th textbook)
- Describe the pattern in the ionic charges for the elements arranged in the periodic table.

1 Hydrogen 1+	
3 Lithium 1+	
11 Sodium 1+	
19 Potassium 1+	
4 Beryllium 2+	
12 Magnesium 2+	

Valence electrons

3 4 5 6 7

5 Boron 3+		6 Carbon -		7 Nitrogen 3-		8 Oxygen 2-		9 Fluorine 1-		2 Helium 0	
13 Aluminum 3+		14 Silicon -		15 Phosphorus 3-		16 Sulfur 2-		17 Chlorine 1-		18 Neon 0	

