Valence Reinforcement (S332.2.10) Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
Chem 332 – O’Dette Period \_\_\_\_\_\_

Directions: Fill out the chart below.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Element Name | Chemical Symbol | Electron Configuration | # of Valence Electrons (circle on configuration) | What group is the element located in? |
| Phosphorus | P |  |  |  |
| Rubidium | Rb |  |  |  |
| Fluorine | F |  |  |  |
| Sulfur | S |  |  |  |
| Lithium | Li |  |  |  |
| Magnesium | Mg |  |  |  |
| Chlorine | Cl |  |  |  |
| Aluminum | Al |  |  |  |
| Carbon | C |  |  |  |
| Argon | Ar |  |  |  |

Elements in Group 1 have how many valence electrons? \_\_\_\_\_\_\_

Elements in Group 2 have how many valence electrons? \_\_\_\_\_\_\_

Elements in Group 13 have how many valence electrons? \_\_\_\_\_\_\_

Elements in Group 14 have how many valence electrons? \_\_\_\_\_\_\_

Elements in Group 15 have how many valence electrons? \_\_\_\_\_\_\_

Elements in Group 16 have how many valence electrons? \_\_\_\_\_\_\_

Elements in Group 17 have how many valence electrons? \_\_\_\_\_\_\_

Elements in Group 18 have how many valence electrons? \_\_\_\_\_\_\_