

# Bonding Basics - Ionic Bonds

Name \_\_\_\_\_

Complete the chart for each element.

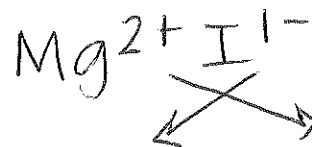
| Element    | # of Protons | # of Electrons | # of Valence Electrons | Oxidation Number |
|------------|--------------|----------------|------------------------|------------------|
| Sodium     | 11           | 11             | 1                      | 1+               |
| Chlorine   | 17           | 17             | 7                      | 1-               |
| Beryllium  | 4            | 4              | 2                      | 2+               |
| Fluorine   | 9            | 9              | 7                      | 1-               |
| Lithium    | 3            | 3              | 1                      | 1+               |
| Oxygen     | 8            | 8              | 6                      | 2-               |
| Phosphorus | 15           | 15             | 5                      | 3-               |

Follow your teacher's directions to complete each ionic bond.

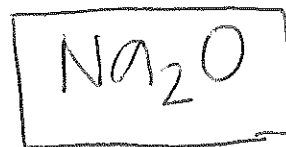
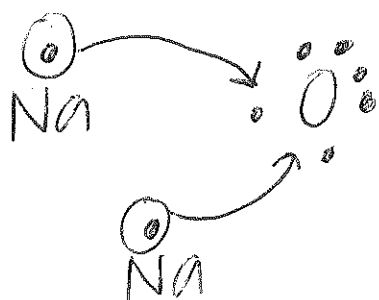
(1) Potassium + Fluorine



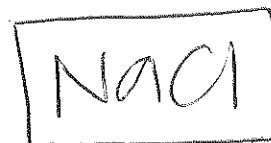
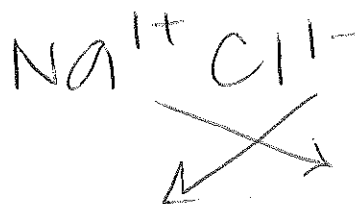
(2) Magnesium + Iodine



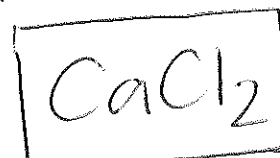
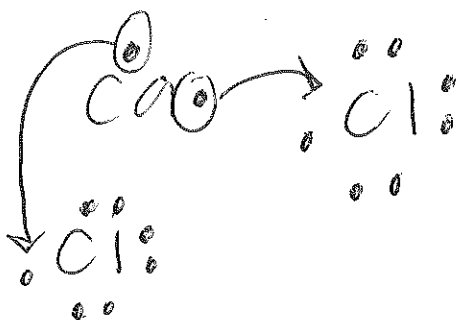
(3) Sodium + Oxygen



(4) Sodium + Chlorine



(5) Calcium + Chlorine



(6) Aluminum + Chlorine

