#  Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Hour: \_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_

# Chemistry: *Ions in Chemical Compounds*

Complete the following table, being sure that the total charge on the resulting compound is *zero*.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Ions | **Chloride****Cl1-** | **Hydroxide****OH1-** | **Nitrate****NO31-** | **Sulfate****SO42-** | Sulfide**S2-** | Carbonate**CO32-** | **Phosphate****PO43-** |
| Hydrogen**H1+** |  |  |  |  |  |  |  |
| **Sodium****Na1+** |  |  |  |  |  |  |  |
| **Ammonium****NH41+** |  |  |  |  |  |  |  |
| Potassium**K1+** |  |  |  |  |  |  |  |
| Calcium**Ca2+** |  |  |  |  |  |  |  |
| Magnesium**Mg2+** |  |  |  |  |  |  |  |
| Aluminum**Al3+** |  |  |  |  |  |  |  |
| **Ferrous****Fe2+** |  |  |  |  |  |  |  |
| **Iron (II)****Fe2+** |  |  |  |  |  |  |  |
| Ferric**Fe3+** |  |  |  |  |  |  |  |
| **Iron (III)****Fe3+** |  |  |  |  |  |  |  |
| Plumbous**Pb2+** |  |  |  |  |  |  |  |
| Stannic**Sn4+** |  |  |  |  |  |  |  |
| **Copper (I)****Cu1+** |  |  |  |  |  |  |  |
| Cupric**Cu2+** |  |  |  |  |  |  |  |