# 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+** |  |  |  |  |  |  |  |