Monatomic and Polyatomic Ions WS name:

For the following Monatomic ions state there charge.

|  |  |
| --- | --- |
| **Ions** | **Charge** |
| 1. Copper(I)
 |  |
| 1. Iron(II)
 |  |
| 1. Silicon(IV)
 |  |
| 1. Iron(III)
 |  |
| 1. Rubidium
 |  |

Write the oxidation state of each of the following.

|  |  |
| --- | --- |
|  **Ions** | **Oxidation State** |
| 1. Pb+2
 |  |
| 1. Li+1
 |  |
| 1. Sn+2
 |  |
| 1. Cr+3
 |  |
| 1. Mg+2
 |  |

For each of the polyatomic ion formulas below, write their name and charge.

|  |  |  |
| --- | --- | --- |
|   **Ion** | **Name** |  **Charge** |
| 1. C2H3O2
 |  |  |
| 1. SO4
 |  |  |
| 1. SO3
 |  |  |
| 1. ClO
 |  |  |
| 1. NH4
 |  |  |

For each of the polyatomic ions below write their formula and charge.

|  |  |  |
| --- | --- | --- |
| **Ion** | **Formula** | **Charge** |
| 1. Iodate
 |  |  |
| 1. Nitrate
 |  |  |
| 1. Perchlorate
 |  |  |
| 1. Phosphate
 |  |  |
| 1. Nitrite
 |  |  |

Write the formulas using either the electron dot method or the criss cross method.

|  |  |  |
| --- | --- | --- |
| Samples | Work | Formula |
| Rubidium and Selenium |  |  |
| Barium and Iodine |  |  |
| Strontium and Acetate |  |  |
| Ammonium and bromine |  |  |
| Copper (II) and Nitrate |  |  |
| Lithium and Nitrite |  |  |
| Potassium and Dichromate |  |  |
| Gallium and Bicarbonate |  |  |
| Sodium and Hydroxide |  |  |
| Magnesium and Permanganate |  |  |
| Francium and oxalate |  |  |
| Zinc(II) and Chloride |  |  |
| Nickel(I) and Nitrite |  |  |