VALENCE SHEET

CHEMISTRY I NAME\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

CATIONS

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| +1 | | +2 | | +3 +4 | | | |
| Ag | Silver | Ba | Barium | Al | Aluminum | Pb | Lead (IV) |
| Au | Gold (I) | Be | Beryllium | As | Arsenic | Pt | Platinum (IV) |
| Cs | Cesium | Ca | Calcium | Au | Gold (III) | Sn | Tin (IV) |
| Cu | Copper (I) | Co | Cobalt (II) | B | Boron |  |  |
| Fr | Francium | Cr | Chromium (II) | Bi | Bismuth |  |  |
| H | Hydrogen | Cu | Copper (II) | Co | Cobalt (III) |  |  |
| Hg | Mercury (I) | Fe | Iron (II) | Cr | Chromium (III) |  |  |
| K | Potassium | Hg | Mercury (II) | Fe | Iron (III) |  | http://4.bp.blogspot.com/_gSMPduIyU7Q/S-Fut0_MnOI/AAAAAAAAAHU/k9BLHV9fYEI/s1600/chemistry.gif |
| Li | Lithium | Mg | Magnesium | Ga | Gallium |  |  |
| Na | Sodium | Ni | Nickel (II) | In | Indium |  |  |
| NH4 | Ammonium | Pb | Lead (II) | Ni | Nickel (III) |  |  |
| Rb | Rubidium | Pt | Platinum (II) | Sb | Antimony |  |  |
|  |  | Ra | Radium | Sc | Scandium |  |  |
|  |  | Sn | Tin (II) | Tl | Thallium |  |  |
|  |  | Sr | Strontium |  |  |  |  |
|  |  | Zn | Zinc |  |  |  |  |
| ANIONS | | | | | | | |
| -1 | | -2 | | -3 | | -4 | |
| At | Astitide | B4O7 | Tetraborate | AsO4 | Arsenate | Fe(CN)6 | Ferrocyanide |
| Br | Bromide | BO3 | Borate | N | Nitride |  |  |
| BrO3 | Bromate | C2O4 | Oxalate | P | Phosphide |  |  |
| C2H3O2 | Acetate | C4H4O6 | Tartrate | PO3 | Phosphite |  |  |
| Cl | Chloride | CO3 | Carbonate | PO4 | Phosphate |  |  |
| ClO | Hypo-chlorite | Cr2O7 | Dichromate | SbO4 | Antimonate |  |  |
| ClO2 | Chlorite | CrO4 | Chromate |  |  |  |  |
| ClO3 | Chlorate | O | Oxide |  |  |  |  |
| ClO4 | Perchlorate | O2 | Peroxide |  |  |  | COVALENT |
| CN | Cyanide | S | Sulfide |  |  |  | PREFIXES |
| CNO | Cyanate | S2O3 | Thiosulfate |  |  |  | 1-mono |
| F | Fluoride | Se | Selenide |  |  |  | 2-di |
| HCO3 | Hydrogen carbonate OR Bicarbonate | SiO3  SnO3  SO3 | Silicate  Stannate  Sulfite |  |  |  | 3-tri  4-tetra  5-penta |
| I | Iodide | SO4 | Sulfate |  |  |  | 6-hexa |
| IO3 | Iodate | Te | Telluride |  | http://fc02.deviantart.net/fs70/f/2012/065/f/d/i_love_chemistry_by_serenamarzo-d4rwjfj.jpg |  | 7-hepta |
| MnO4 | Permanganate |  |  |  |  |  | 8-octa |
| NO2 | Nitrite |  |  |  |  |  | 9-nona |
| NO3 | Nitrate |  |  |  |  |  | 10-deca |
| OH | Hydroxide |  |  |  |  |  |  |