

Elements & Ions to Know

| <u>Week I</u> | (Tuesday, September 6 th) | <u>Week III</u> | (Tuesday, September 20 th) |
|------------------|--|-----------------|---|
| Lithium | Li | Neon | Ne |
| Sodium | Na | Argon | Ar |
| Potassium | K | Krypton | Kr |
| Rubidium | Rb | Xenon | Xe |
| Cesium | Cs | Hydrogen | H ₂ |
| Beryllium | Be | Fluorine | F ₂ |
| Magnesium | Mg | Chlorine | Cl ₂ |
| Calcium | Ca | Bromine | Br ₂ |
| Strontium | Sr | Iodine | I ₂ |
| Barium | Ba | Oxygen | O ₂ |
| Aluminum | Al | Nitrogen | N ₂ |
| Lithium cation | Li ⁺ | Sulfur | S |
| Sodium cation | Na ⁺ | Selenium | Se |
| Potassium cation | K ⁺ | Phosphorus | P |
| Rubidium cation | Rb ⁺ | Arsenic | As |
| Cesium cation | Cs ⁺ | Carbon | C |
| Beryllium cation | Be ²⁺ | Silicon | Si |
| Magnesium cation | Mg ²⁺ | Boron | B |
| Calcium cation | Ca ²⁺ | Hydrogen cation | H ⁺ |
| Strontium cation | Sr ²⁺ | Hydride | H ⁻ |
| Barium cation | Ba ²⁺ | Fluoride | F ⁻ |
| Aluminum cation | Al ³⁺ | Chloride | Cl ⁻ |
| | | Bromide | Br ⁻ |
| | | Iodide | I ⁻ |
| | | Oxide | O ²⁻ |
| | | Sulfide | S ²⁻ |
| | | Selenide | Se ²⁻ |
| | | Nitride | N ³⁻ |
| | | Phosphide | P ³⁻ |
| | | Arsenide | As ³⁻ |
| | | | |
| <u>Week II</u> | (Tuesday, September 13 th) | <u>Week IV</u> | (Tuesday, September 27 th) |
| Chromium | Cr | Ammonium | NH ₄ ⁺ |
| Iron | Fe | Perchlorate | ClO ₄ ⁻ |
| Cobalt | Co | Chlorate | ClO ₃ ⁻ |
| Copper | Cu | Chlorite | ClO ₂ ⁻ |
| Tin | Sn | Hypochlorite | ClO ⁻ |
| Mercury | Hg | Phosphate | PO ₄ ³⁻ |
| Nickel | Ni | Phosphite | PO ₃ ³⁻ |
| Lead | Pb | Acetate | C ₂ H ₃ O ₂ ⁻ |
| Titanium | Ti | Bromate | BrO ₃ ⁻ |
| Silver | Ag | Iodate | IO ₃ ⁻ |
| Zinc | Zn | Nitrate | NO ₃ ⁻ |
| <u>Manganese</u> | <u>Mn</u> | Nitrite | NO ₂ ⁻ |
| | | Cyanide | CN ⁻ |
| Silver cation | Ag ⁺ | Hydroxide | OH ⁻ |
| Zinc cation | Zn ²⁺ | Permanganate | MnO ₄ ⁻ |
| Chromium (II) | Cr ²⁺ | Thiocyanate | SCN ⁻ |
| Chromium (III) | Cr ³⁺ | Carbonate | CO ₃ ²⁻ |
| Iron (II) | Fe ²⁺ | Bicarbonate | HCO ₃ ⁻ |
| Iron (III) | Fe ³⁺ | Sulfate | SO ₄ ²⁻ |
| Cobalt (II) | Co ²⁺ | Sulfite | SO ₃ ²⁻ |
| Nickel (II) | Ni ²⁺ | Chromate | CrO ₄ ²⁻ |
| Copper (I) | Cu ⁺ | Dichromate | Cr ₂ O ₇ ²⁻ |
| Copper (II) | Cu ²⁺ | Oxalate | C ₂ O ₄ ²⁻ |
| Manganese (II) | Mn ²⁺ | | |
| Manganese (III) | Mn ³⁺ | | |
| Tin (II) | Sn ²⁺ | | |
| Tin (IV) | Sn ⁴⁺ | | |
| Mercury (I) | Hg ₂ ²⁺ | | |
| Mercury (II) | Hg ²⁺ | | |
| Lead (II) | Pb ²⁺ | | |
| Lead (IV) | Pb ⁴⁺ | | |
| Titanium (II) | Ti ²⁺ | | |
| Titanium (IV) | Ti ⁴⁺ | | |