## H/Chemistry Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1819

**Variable Cations & Anions Quiz Preparation**

You will be responsible for providing the name, given the formula and vice versa (providing the formula, given the name). There are also a few to memorize that are always the same such as silver, Ag1+ always.

For the anions, You will be responsible for providing the name, given the formula and vice versa (providing the formula, given the name).

**Positive Ions - Cations Negative Ions - Anions**

|  |  |  |  |
| --- | --- | --- | --- |
| **Grouping 1**  H- Honors only |  | **Grouping 1**  H- Honors only |  |
| *ammonium (NH4+)*  *ammonia (NH3)* not ion  H- antimony (III)  H- antimony (V)  H- bismuth (III)  H- bismuth (V)  H- cadmium (II)  carbon (IV)  chromium (II)  chromium (III)  chromium (VI)  H- cobalt (II)  H- cobalt (III)  copper (I)  copper (II)  H- gold (I)  H- gold (III) | *Hydronium (H3O+)*  iron (II)  iron (III)  lead (II)  lead (IV)  manganese (II)  manganese (III)  mercury (I)  mercury (II)  nickel (II)  nickel (III)  *silver (Ag+)*  tin (II)  tin (IV)  *zinc (Zn2+)* | bromide  H- bromate  fluoride  iodide  H- iodate  H- cyanide  hydride  hydroxide  chloride  perchlorate  chlorate  chlorite  hypochlorite  nitride  nitrate  nitrite  H- carbide  carbonate  hydrogen carbonate (bicarbonate) | phosphide  phosphate  phosphite  hydrogen phosphate  dihydrogen phosphate  H- permanganate  sulfide  sulfate  sulfite  hydrogen sulfide  hydrogen sulfate  hydrogen sulfite  chromate  dichromate  acetate  H- oxalate  oxide  H- peroxide |