## 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 ionH- 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+)* | bromideH- bromatefluorideiodideH- iodateH- cyanidehydridehydroxidechlorideperchlorate chloratechloritehypochloritenitridenitratenitriteH- carbidecarbonatehydrogen carbonate (bicarbonate) | phosphidephosphatephosphite hydrogen phosphatedihydrogen phosphateH- permanganatesulfidesulfatesulfitehydrogen sulfide hydrogen sulfatehydrogen sulfitechromatedichromateacetateH- oxalateoxideH- peroxide |