Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block:\_\_\_\_\_

“Isn’t it Ionic?” Naming Ions and Ionic Compounds

Complete the chart below.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Cation + Anion** | **Name of Cation** | **Name of Anion** | **Name of Ionic Compound** | **Formula** |
|  | Fe+ and O- |  |  |  |  |
|  | Cd2+ and I- |  |  |  |  |
|  | Na+ and F- |  |  |  |  |
|  | Fe3+ and S2- |  |  |  |  |
|  | Cu2+ and As3- |  |  |  |  |
|  | Mg2+ and Br- |  |  |  |  |
|  | Mg2+ and S2- |  |  |  |  |
|  | Al3+ and F- |  |  |  |  |
|  | Na+ and O2- |  |  |  |  |
|  | Al3+ and I- |  |  |  |  |
|  | Li+ and N3- |  |  |  |  |
|  | K+ and P3- |  |  |  |  |
|  | Rb+ and Se2- |  |  |  |  |
|  | Cs+ and Cl- |  |  |  |  |
|  | Be2+ and F- |  |  |  |  |
|  | Cu+ and As3- |  |  |  |  |
|  | H+ and Br- |  |  |  |  |
|  | Cr3+ and Te2- |  |  |  |  |
|  | Ni3+ and Se2- |  |  |  |  |
|  | Na+ and Cl- |  |  |  |  |

Short Answer:

1. What is a “polyatomic ion”?
2. What do the endings “-ite” and “-ate” indicate about a polyatomic ion?
3. What is the name of NH4+?
4. What is the name of OH-?
5. What is the difference between Nitrate and Nitrite?