**Writing Ionic Compound Formulas ½ Sheet In-Class Practice – ANS KEY**

*Complete the following table – you will need to write the charges of the ions first so you can do the cross over and down! Don’t forget to simplify!*

|  | **zinc** | **iron (II)** | **iron (III)** | **gallium** | **silver** | **lead (IV)** |
| --- | --- | --- | --- | --- | --- | --- |
| **chloride** | ZnCl2 | FeCl2 | FeCl3 | GaCl3 | AgCl | PbCl4 |
| **nitrate** | Zn(NO3)2 | Fe(NO3)2 | Fe(NO3)3 | Ga(NO3)3 | AgNO3 | Pb(NO3)4 |
| **oxide** | ZnO | FeO | Fe2O3 | Ga2O3 | Ag2O | PbO2 |
| **nitride** | Zn3N2 | Fe3N2 | FeN | GaN | Ag3N | Pb3N4 |
| **sulfate** | ZnSO4 | FeSO4 | Fe2(SO4)3 | Ga2(SO4)3 | Ag2SO4 | Pb(SO4)2 |

*Complete the following practice problems – write the ions first, then write the completed (simplified if necessary) chemical formula. (see example for how to set it up!)*

1. vanadium (III) selenide \_ \_\_V+3 Se-2 🡪 V2Se3\_\_\_
2. copper (II) chloride \_\_\_\_Cu+2 Cl-1\_\_\_\_\_🡪\_\_\_CuCl2\_\_\_
3. lithium acetate \_\_ Li+1 C2H3O2-1\_\_🡪\_\_LiC2H3O2\_\_\_\_
4. beryllium oxide \_\_ Be+2 O-2\_\_🡪\_\_\_\_BeO\_\_\_\_
5. sodium sulfate \_\_\_ Na+1 SO4-2\_\_🡪\_\_\_Na2SO4\_\_\_\_\_\_
6. ammonium nitrate \_\_ NH4+  NO3-1\_\_🡪\_\_\_\_NH4NO3\_\_\_\_