|  |
| --- |
| Writing Neutral Compounds |
|  | **Eventually we should do this in our head! When asked to show work you will use this “crossing over” method.** 1. Write cation first then anion
2. Write the charges with each symbol
3. The superscript of one atom, becomes the subscript of the other. Use the absolute value! This is “crossing over”
4. Reduce your subscripts to the lowest numbers possible while maintaining the correct ratio
5. You do not need to put the 1s for subscripts!
6. CAREFUL WITH POLYATOMIC IONS!
 |
|  “Crossing Over” |
| 1. Barium Fluoride
 | 5) Aluminum Sulfide |
| 1. Barium Nitrate
 | 6) Magnesium Carbonate  |
| 1. Ammonium Sulfate
 | 7) Zinc Hydroxide |
| 1. Iron (III) Chloride
 | 8) Aluminum Phosphate |
| “Working Backwards” |
|  |