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|  | **“Crossing Over”**  **In Order to Write**  **Neutral Ionic Compounds**  **Write the formula for Iron (III) Chloride**  **Step 1**  Write the ions (with charges!) side by side with the metal ion written first.  **Step 2**  Draw arrows that cross each other from the superscript of one ion to the subscript of the other.  **Step 3**  Put the absolute value of the charge at the end of the arrow where the subscripts go.  **Step 4**  Rewrite the compound without the charges.  **Step 5**  Erase any “1”s that are there, and reduce the subscripts to lowest terms.  **Try one!**  Potassium Nitride      **Challenge Problem!**  Calcium Hydroxide  *\*Hint\**  *Put parentheses around the OH- ion* |  | **“Crossing Over”**  **In Order to Write**  **Neutral Ionic Compounds**  **Write the formula for Iron (III) Chloride**  **Step 1**  Write the ions (with charges!) side by side with the metal ion written first.  **Step 2**  Draw arrows that cross each other from the superscript of one ion to the subscript of the other.  **Step 3**  Put the absolute value of the charge at the end of the arrow where the subscripts go.  **Step 4**  Rewrite the compound without the charges.  **Step 5**  Erase any “1”s that are there, and reduce the subscripts to lowest terms.  **Try one!**  Potassium Nitride      **Challenge Problem!**  Calcium Hydroxide  *\*Hint\**  *Put parentheses around the OH- ion* |