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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* |