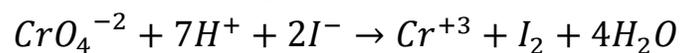
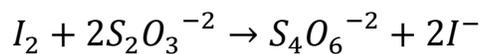


Redox Reaction



Thiosulfate Reaction



$$C_A \left(\frac{\text{oz}}{\text{gal}} \right) = \text{mL Thio} \left(\frac{1}{5 \text{ ml Chromic acid Sol.}} \right) \left(\frac{10^3 \text{ mL}}{\text{L}} \right) \left(\frac{0.1 \text{ mol Thio}}{10^3 \text{ mL Thio}} \right) \left(\frac{1 \text{ mol CA}}{2 \text{ mol Thio}} \right) \left(\frac{118.01 \text{ g Chromic Acid}}{1 \text{ mol Chromic Acid}} \right) \left(\frac{3.785 \text{ L}}{1 \text{ gal}} \right) \left(\frac{1 \text{ oz}}{28.349 \text{ g}} \right)$$

$$C_A \left(\frac{\text{oz}}{\text{gal}} \right) = \text{mL Thio} * 0.15 = \text{Concentration of Chromic Acid}$$