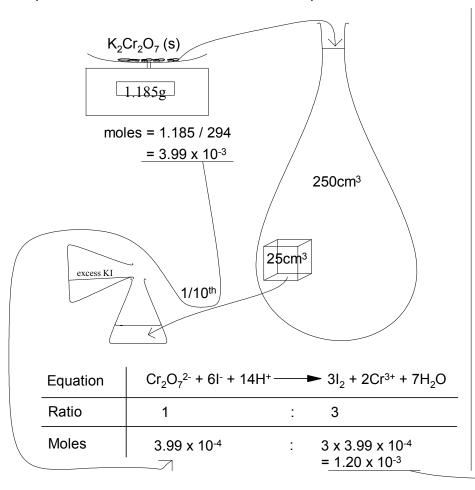
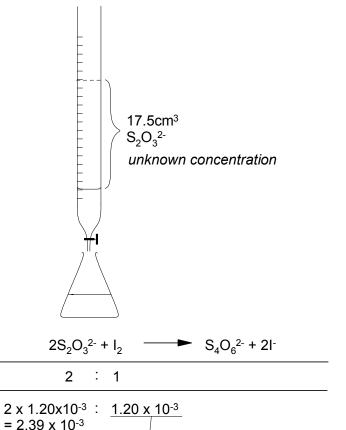
## Titration of dichromate with iodide

A standard solution is prepared by dissolving 1.185g of potassium dichromate(VI) and making up to 250cm³ of solution. This solution is used to find the concentration of a sodium thiosuphate solution. A 25.0cm³ portion of the oxidant was acidified and added to an excess of potassium iodide to liberate iodine.



When the solution was titrated against sodium thiosulphate, 17.5 cm<sup>3</sup> of thio were required. Find the concentration of the thiosulphate solution.





concentration = moles / volume

2.39 x 10<sup>-3</sup>

(17.5 / 1000)

 $= 0.137 \text{ moldm}^{-3}$ 

Equation

Ratio

Moles