Write a method for producing a standard 0.25 mol/dm^3 solution of NaOH from sodium carbonate and water. You must include exact measurements and all names of equipment you use, as well as any precautions you need to take. [6 marks]

Write a method for finding out the concentration of a sample of HCl acid given to you using the standard solution produced above. You must include exact measurements and all names of equipment you use, as well as any precautions you need to take. [6 marks]