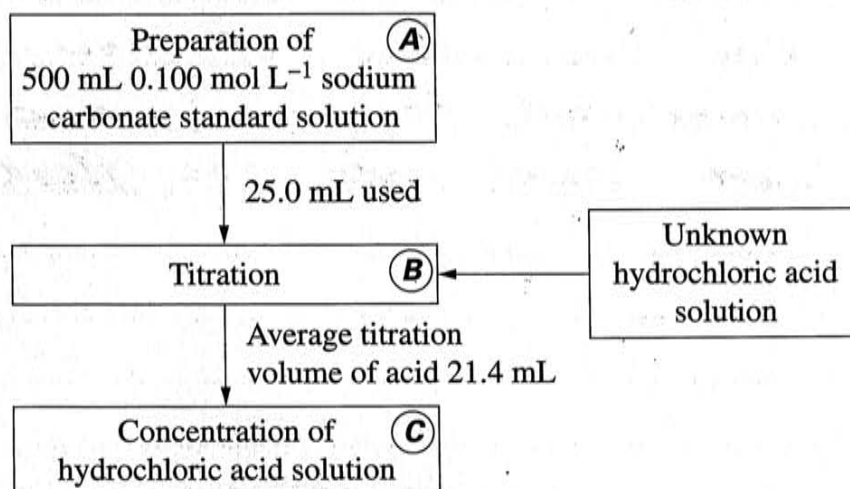


Question 28 (8 marks)

The flowchart shown outlines the sequence of steps used to determine the concentration of an unknown hydrochloric acid solution. 8



Describe steps **A**, **B** and **C** including correct techniques, equipment and appropriate calculations. Determine the concentration of the hydrochloric acid.

~~washing~~ washing the equipment with the right liquid burette (acid) distilled pipette base conical flask (water)

Add the liquids in and let the burette drip into the conical flask with the base solution of the pipette mixed in.

Question 28 continues on page 18

Question 28 (continued)

Keep adding drops of acid from the burette into the flask until the solution in the conical flask ~~is~~ changes colour. Watch the burette to see the amount that was put in and calculate the concentration. Use the value of how much base compared to how much acid was put into the flask.

End of Question 28