Model Procedure /Flow Chart:

Fill the breeze with North.

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Immease the Conductivity cell in such a way

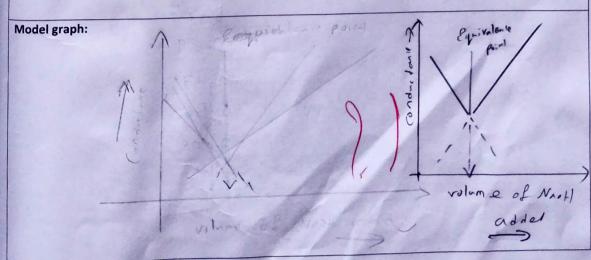
that they a touch but tom of the benies.

Connect the Cell to Conductivity beinge and mention

the Conductivity

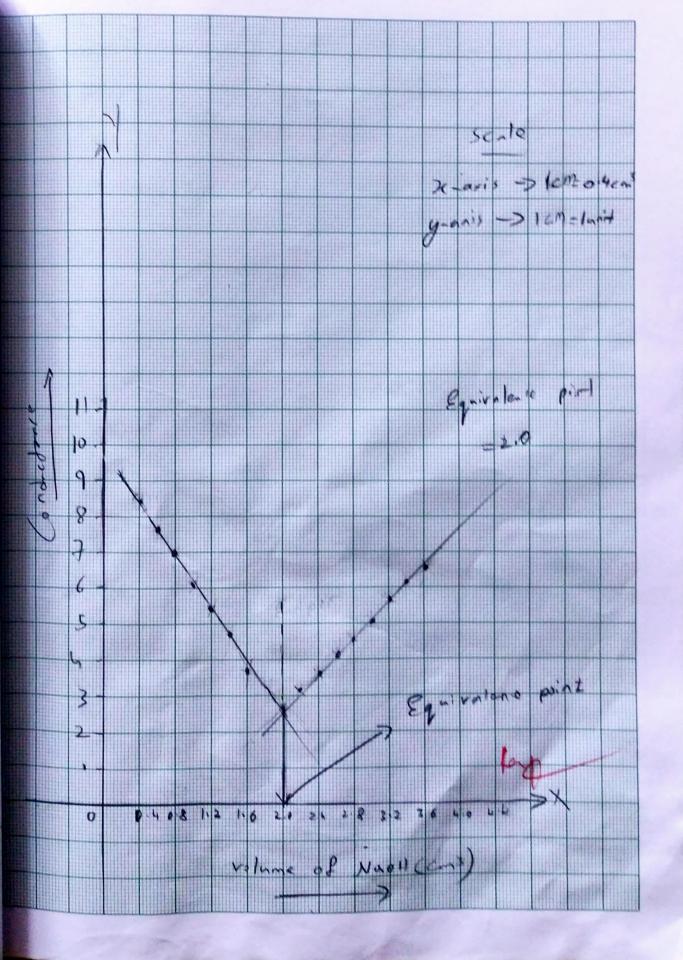
Run down 0.2 cm³ of NaoH & measure to Conductorie after each addition. In the beginning the Conductorie december and then I suddenly increases. Plat a graph of Conductorie vs volume of NaoH added to it.

Determine the volume of North sequent to Complety mentanlize and Hel from the people and find the Mosmality of amount of Hel in 1000 and of 50 m Lion.



Tabulation:

| Volume of NaOH | Conductance in m S | |
|--------------------|-----------------------|--|
| in cm ³ | 1 | |
| 0.0 | 9.88 | |
| 0.2 | 9.12 | |
| 0.4 | 8.44 | |
| 0.6 | 7.53 | |
| 0.8 | 6.96 | |
| 1.0 | 6.12 | |
| 1.2 | 5.465.41 | |
| 1.4 | 4.70 | |
| 1.6 | 3.65 | |
| 1.8 | 3.22 | |
| 2.0 | 2.73 | |
| 2.2 | 3-12/3.16 | |
| 2.4 | 3.63 | |
| 2.6 | اانهامتهم | |
| 2.8 | 4.55 | |
| 3.0 | 5.05 | |
| 3.2 | 5.69 | |
| 3.4 | 6.17 | |
| 3.6 | 6.56 | |
| 3.8 | | |
| | 7/06 | |



Calculation:

Amount of Hel passent in I dem³ of it's solution

= (N) Hel Kgam equivalent weight of Held

= 0.002 × 36.5

The Noamality of Held is 0.002N

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The Held is a strong and. When Naort is addd,

it completely algeds completly dissolved and graph

increases

The equivalence point is at 2.00 cm³

Relevance to society & environment:

- · Can be used to check pollution levels in water bodies
- · It can be used in food industry, to trace vacious milashes.

used in phrammentical industries to detect antibiotics and to cheek the levels of busicity of vaccious socit.

to made in bedam of

Report:

- 1. Normality of the HCl = 0.002 N
 - 5 TO -00 -0 3
- 2. Amount of HCl present in the given solution =g

| Evaluation of | Experiment | -5 |
|--|------------|----------|
| | Marks | |
| The state of the s | Max | Obtained |
| Model Procedure, Model Graph & Calculation | 16 | 16 |
| Equivalence Point & Execution | 20 | 19 |
| Inference & Societal Relevance | 04 | 03 |
| Total | 40 | 38 |
| Signature of Teacher | ly | 1 |