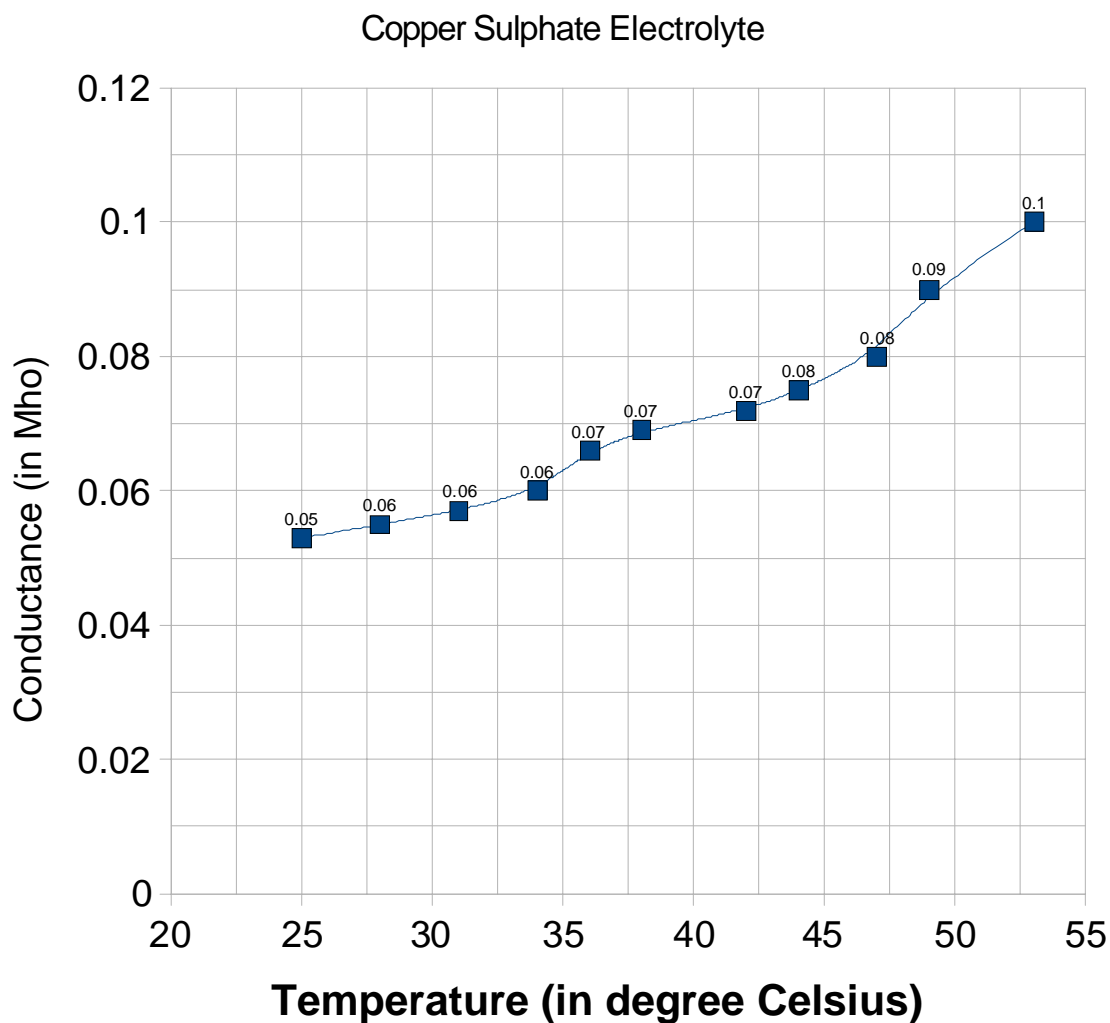


CHEMISTRY PROJECTS FOR CLASS 12 (Variation of Conductance with Temperature in Electrolytes)-5TH PART

GANESH KUMAR **DATE:- 20/02/2021**

Graph of Observation Set 2



Result

The relevant graph shows that the $1 /$
Resistance of an electrolyte increase at a
steady rate as the temperature increases.

Conclusion

On heating a solution, it is known that viscosity gradually decreases, with decrease in viscosity, the speed and movement of the ions increases. In other words, the conductance of the electrolyte increases with increases in temperature. Hence, the result of the experiment agrees with reasoning.

Precautions

- Variation of resistance due to one of the factors should be kept constant.
- The electrodes used in each case should always be kept parallel to each other.
- The solution should be kept undisturbed throughout the experiment.
- For each observation, three readings are taken and the mean value is considered.

Bibliography

- *Chemistry (Part I) – Textbook for Class XII*; National Council of Educational Research and Training
- *Concepts of Physics 2* by H C Verma; Bharti Bhawan (Publishers & Distributors)

Websites :

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