



CHEMISTRY

NCERT - NCERT Chemistry(Telugu)

ELECTRICAL CONDUCTIVITY OF LIQUIDS

Improve Your Learning

1. Give examples for good conductors solid and liquid. (AS_1)



[Watch Video Solution](#)

2. Give examples for good conductors solid and liquid. (AS_1)



[Watch Video Solution](#)

3. What do you add to distilled water for making it to conduct electricity?



[Watch Video Solution](#)

4. Explain the process of coating copper on iron key. Draw the circuit diagram. (AS_3)



[Watch Video Solution](#)

5. What is an electrolyte? (AS_1)



[Watch Video Solution](#)

6. Which energy is cause for glowing of bulb in electrolytic cell?





[Watch Video Solution](#)

7. Write the uses of electroplating. (AS_1)



[Watch Video Solution](#)

8. In case of a fire, before the fire men use the water, they shut off the main electrical supply for the area. Explain why they do this? (AS_1)



[Watch Video Solution](#)

9. Collect the information and make list of good conductors and bad conductors. How do you use this information in your daily life works. (AS_1)



[Watch Video Solution](#)

10. We get some items made from iron wire in which iron wire is coated with plastic. Plastic coated by the process of electroplating ? Why can plastic not be coated on a metal by the process of electroplating?



[Watch Video Solution](#)

11. Make a battery from four lemons and test it with a LED in the circuit. (AS_3)



[Watch Video Solution](#)

12. Refer to the Activity 3 in the chapter. Start with distilled water. The LED would not glow. Add two drops of some acid to distilled water and check the glow of LED. Add two more drops and check the intensity of the glow.

Repeat the activity 5 to 6 times by adding 2 drops of the same acid each time. Do you see any difference in the intensity of glow with increasing acid content of water? What can be inferred from the above observations? Repeat the entire activity by taking a solution of baking soda and adding drops of it to distilled water instead of acid. Write differences and similarities. (AS_3 , AS_1)



Watch Video Solution

13. How do you appreciate the efforts of Luigi Galvani and Alissandro Volta In discovering a cell and making a stored electric energy available to human beings?



Watch Video Solution

14. Kavya observed that a discharged dry cell which kept in sun light by her father for few hours got ability to glow LED. She got many

doubts and questions to raise. Can you guess those questions or doubts? (AS_2)



[Watch Video Solution](#)

Think And Discuss

1. Why do some materials allow electric current to pass through them and why some do not?



[Watch Video Solution](#)

2. What is electrolysis ? Give Faraday's first law of electrolysis.



Watch Video Solution

3. Discuss with your teacher or collect the information about electrolysis method from your school library books.



Watch Video Solution

4. Why do some materials allow electric current to pass through them and why some do not?



[Watch Video Solution](#)

5. If a battery is packed in a box and if only two wires from two terminals are given out, how can we decide the positive and negative terminal of the battery ?



[Watch Video Solution](#)

6. What is electrolysis ? Give Faraday's first law of electrolysis.



[Watch Video Solution](#)

Improve Your Learning Reflection On Concepts

1. Give examples for poor solid conductors and liquid conductors.



[Watch Video Solution](#)

2. Give examples for poor solid conductors and liquid conductors.



[Watch Video Solution](#)

3. Give two examples for electrolyte.



[Watch Video Solution](#)

4. Draw the diagram of Electrolytic cell and explain.



[Watch Video Solution](#)

Improve Your Learning Application Of Concepts

1. Which energy is cause for glowing of bulb in electrolytic cell?



[Watch Video Solution](#)

2. What do you add to distilled water for making it to conduct electricity?





[Watch Video Solution](#)

3. Kavya observed that a discharged dry cell which kept in sun light by her father for few hours got ability to glow LED. She got many doubts and questions to raise. Can you guess those questions or doubts? (AS_2)



[Watch Video Solution](#)

4. Make a battery from four lemons and test it with a LED in the circuit. (AS_3)



[Watch Video Solution](#)

5. Collect the information and make list of good conductors and bad conductors. How do you use this information in your daily life works. (AS_1)



[Watch Video Solution](#)

Improve Your Learning Higher Order Thinking Questions

1. If the key is to be coated with aluminium instead of copper, what changes do we need to make in the experiment of coating on iron key with copper?



[Watch Video Solution](#)

2. Is plastic coated by the process of electroplating?why?



[Watch Video Solution](#)

Improve Your Learning Multiple Choice Questions

1. Which of the following is also used in ornamentation and decoration ?

- A. Electro typing
- B. Electro plating
- C. Electro printing
- D. Galvanizing

Answer:





Watch Video Solution

2. Pure water is a

A. Electric conductor

B. Semi conductor

C. Insulator

D. Resistor

Answer:



Watch Video Solution

3. The material which does not allow electric current to pass through it is known as.

A. Electric conductor

B. Insulator

C. Electric resistance

D. Semi conductor

Answer:



Watch Video Solution

4. Electroplating is possible through.

- A. Electrolysis
- B. Chemical process
- C. Dissolving
- D. Filtration

Answer:



Watch Video Solution

5. One of the following is not an electrolyte

A. Sulphuric acid

B. Lemon juice

C. Tamarind juice

D. Detergent solution

Answer:



Watch Video Solution

Improve Your Learning Suggested Experiments

1. Collect information from internet and other sources about blood clotting and prepare a note on it.



Watch Video Solution

2. Conduct an experiment for testing the electric conductivity of electrolytes.



Watch Video Solution

3. Conduct an experiment for testing the electric conductivity of electrolytes.



[Watch Video Solution](#)

4. What happens if we use a fuse made up of same wire which is used to make the electric circuit ?



[Watch Video Solution](#)

1. Collect the information from various sources on the applications of electroplating in daily life and prepare a report on that.



Watch Video Solution