



# CHEMISTRY

## BOOKS - JNAN PUBLICATION

### MATTER (CHEMICAL EFFECTS OF ELECTRICITY)

#### Example

1. Which of the following is non-electrolyte?

A. pure water

B. solution of glucose and water

C. liquid ammonia

D. all of the above

**Answer:**



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2. Which of the following is electrolyte?

A. solution of sugar and water

B. graphite

C. water solution of  $H_2SO_4$

D. water solution of glucose

**Answer:**



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3. During zinc plating in anode is given \_\_\_\_

A. iron item

B. copper item

C. graphite rod

D. zinc rod

**Answer:**



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4. During electrolysis of water gas produced in anode is \_\_\_\_\_

A. oxygen

B. hydrogen

C. chlorine

D. nitrogen

**Answer:**



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5. Plating of zinc is done to \_\_\_\_\_

A. to increase beauty

B. to prevent rusting

C. none of the above

D. both of the above

**Answer:**



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6. Plating with zinc is called \_\_\_\_\_

A. Seradisation

B. Galvanisaiton

C. Oxidation

D. Reduction

**Answer:**



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7. Metal used for coating on iron pipe\_\_\_\_\_

A. zinc

B. silver

C. nickel

D. chromium

**Answer:**



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8. Electrolysis is used for \_\_\_\_\_

- A. metal extraction
- B. purification of metals
- C. electroplating
- D. all of the above

**Answer:**



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**9. State whether True or False:-**

After a long use the handle of a bicycle lose their glaze.



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**10. State whether True or False:-**

To remove the impurities, the impure copper is purified by electroplating method.



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**11. State whether True or False:-**

In electrolysis insulated electrical wires are required for connections.



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**12. State whether True or False:-**

Substances like butter, ghee are not soluble in water.



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**13. State whether True or False:-**

The electrode sonnected with the positive end of battery is called cathode.



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**14. State whether True or False:-**

Distilled water mixed with salt is a bad conductor of electricity.



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**15.** State True and False:- Examples of electrolytes are acid, alkali solution.



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**16.** State whether True or False:-

Electrolysis of fused NaCl produces sodium metal



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17. Fill in the blanks:-

Conduction of electricity through a metal means movement of \_\_\_\_\_



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18. Fill in the blanks:-

$CuSO_4$  is a \_\_\_\_\_ electrolyte.



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**19.** Fill in the blanks:-

The compounds which do not produce ions are called \_\_\_\_\_.



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**20.** Fill in the blanks:-

Rusting of iron occurs in contact with \_\_\_\_\_ and moisture of air.



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21. Fill in the blanks:-

Parts of a bicycle or a car or a bran tap are coated with \_\_\_\_\_.



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22. Fill in the blanks:-

To protect iron tools or utensils form rusting a thin coating of \_\_\_\_\_ is given on them.



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**23. Fill in the blanks:-**

Nickel plated substances are attracted by \_\_\_\_\_.



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**24. Fill in the blanks:-**

Impure copper is purified by \_\_\_\_\_ method.



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**25. Fill in the blanks:-**

Some electrolytes remain completely \_\_\_\_\_ in solution.



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**26. Fill in the blanks:-**

an LED can glow even at a low \_\_\_\_\_.



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27. Fill in the blanks:-

During electroplating the substance on which plating to be done is taken as \_\_\_\_\_.



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28. Match the column A with column B.

Column A	Column B
a) In electrolysis of water get	i) are essential for our body
b) coating of zinc is given	ii) impure metal is taken as anode
c) Salt mixed water	iii) is a strong electrolyte
d) NaCl	iv) is a bad conductor of electricity
e) Solution of water and glucose	v) hydrogen and oxygen
f) At the time of electro- plating	vi) is a good conductor of electricity
g) Minerals present in drinking water	vii) in the process of electrolysis



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**29.** What are electrolytes? Give example.



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**30.** What is electroplating?



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**31.** During electroplating which is taken as cathode and anode?



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**32.** What is galvanized iron?



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**33.** How can you differ between stainless steel and nickel-coated iron?



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**34.** Why wax, butter, ghee etc are non-electrolytes?



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**35.** Name the ions produced by potassium hydroxide, sulphuric, acid and potassium nitrate in an aqueous solution.



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**36.** What is electrolysis?



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**37.** Why some acid or alkali is added with pure water in an experiment?



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**38.** What are strong and weak electrolytes?



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**39.** Give three important uses of electrolysis.



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