

CLASS –VIII

SCIENCE

CHEMICAL EFFECTS OF ELECTRIC CURRENTS

ASSIGNMENT

1. Is human body a conductor or an insulator ?
2. What are conductors ?
3. What are insulators ? Give two examples.
4. Do all liquids allow electric current to pass through them ?
5. What is LED?
6. What is electroplating? Give its uses.
7. A child staying in the coastal regions tests the drinking water and also the sea water with his tester. He finds that the compass needle deflects more in case of sea water. Can you explain the reason?
8. Prepare a list of objects around you that are electroplated.
9. Give a brief account of LED.

Q.10 Fill in the blanks

- a. Electrolysis is used for _____ one metal over another metal.
- b. A combination of cells is known as _____ .
- c. In liquid the moving charges are called _____ .
- d. The driving force that carries charges around a circuit is _____ force.
- e. Electric current is the flow of negatively charged particles called _____

Q11. Fill in the blanks :-

- a. An electric current can bring about a _____ change.
- b. An _____ when dissolved in water, breaks up into ions.
- c. _____ are materials that allow electricity to flow through them.
- d. _____ are also called as insulators.
- e. A source of electricity is called a _____ .

Q12. What is the actual direction of electric current?

Q13. Why is it dangerous to handle electrical appliances with wet hands or while standing on a wet floor ?

Q14. Define electrolysis. Through diagram represent movement of ions during electrolysis.

Q15. Write one important application of electrolysis in our daily life.

Q16. State whether the following statements are true or false :-

- a. Natural water that runs down the hills is 100% pure water.
- b. Formation of a new chemical compound by electricity is electrolysis.
- c. Kerosene is a non electrolyte.
- d. Lemon juice is an electrolyte.
- e. All liquids conduct electricity.