



Chemical effects of electric current

Fill in the blanks

1. Most liquid that conducts electricity are solutions of,,
2. The passage of an electric current through a solution cause effects
5. is an example of an electrolytic solution.
6.water is a poor conductor of electricity
7. An electric lamp glows due to effects of electric current
8. magnetic materials are,.....
9. different types of cells are,.....,.....
10. Water mixed with salts is aconductor of electricity
11. Pure water can be made conducting by addingto it.
12. voltaic cell is
13. Full form of LED is
14. Weak current can be detected by a device called ...
16. Electrolytes conduct electricity due to movement of
17. A positively charged body hasno of electrons
18. Tap water conducts electricity due to the presence of
19. A primary cell converts.....
20. a cell depending on natural energy

Question and answers

1. What do you mean by chemical effect of current?
3. what is the best material for electro magnet? Why?
4. two differences between permanent and temporary magnet
5. two advantages of electromagnet
6. What is anode and cathode in an electrolytic cell?
7. Define electrolyte?
8. What are three effects of electric current?
9. Give three uses of electroplating
10. describe any one type of cell
14. What are the negatively charged particles are called?
15. what is re chargeable battery”?
19. What makes water a good conductor? How this property of water at this time may cause accident?
20. Name two liquids which conduct electricity and two liquids which do not conduct electricity
21. Which of the two is a better conductor of electricity: tap water or sea water
22. Why does a magnetic needle show deflection when kept near a current carrying wire?
27. what are the factors affecting magnetic field?

28. Write which ion or radical will choose which electrode
Na⁺ Cl⁻ OH⁻ H⁺ K⁺ I⁻
29. how can you decide the polarity of the electromagnet?
30. What are semi conductors?
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33. Solid residue left in electrolytic refining of metal
34. what are the two electrodes of electrolysis?
35. How can you detect presence of magnetic field?

Give reasons

1. Sometimes you may find that although the liquid is conducting yet the bulb of the circuit does not glow
2. Common salt is a bad conductor of electricity in solid state where as a good conductor in solution stat
3. In case of fire before the fireman use the water hoses to throw water to house fire, they shut off the electricity supply for the area. Why?
4. How can you increase the strength of electromagnet?

Differentiation

1. Conduction of electricity in water and in solid
2. Anode and cathode
3. Insulator and conductor