CHEMICAL EFFECTS OF ELECTRIC CURRENT

CHEMICAL EFFECTS OF ELECTRIC CURRENT

<1M>

1.Positive terminal of the them.(A) The shorter line.	ne cell is indicated by: (B) The longer line.	(C) Either of the two li	nes. (D) None of these.
(A) A longer line and a(B) A longer and a shor(C) A horizontal longer	n electric circuit is repressible. shorter line. ter vertical parallel line. line and a vertical short ne and a horizontal short	er line.	
(B) Positive terminal of	connected in such a way	the positive terminal of	the next cell. I of one cell is connected to the
4.Lines connecting the	various components repr	resent:	
(A) Wires. (B) Ten	rminals of the battery.	(C) Battery. (D) Ke	ey.
5.Switch can be conne	ected:		
	ninal of the battery only. minal of the battery only		
(A) Open and the currer(B) Closed and the currer(C) Closed and the currer	nt does not flow in the cient flows in the circuit.	th any part of the circuit.	said to be:
7.A coil of wire present (A) An element.	in electric heater is call (B) A compound.	ed: (C) A mixture.	(D) A solution.
8.In all primary cells ch (A) Potential. (B) Kin		ed into energ	gy.
9. Appliance, which do (A) Geyser.	not use electric energy: (B) Pressure cooker.	(C) Mixie. (D) Im	mersion rod.
10.The decomposition (A) Electroplating.	of an electrolyte when el (B) Electrolysis.	ectricity is passed throug (C) Conduction.	gh it is called: (D) None.
11.The electrical proces (A) Electroplating.	ss of coating an inexpens (B) Electrolysis.	sive conductor with a me (C) Conduction.	etal is called: (D) None.
12is used (A) Electroplating.	l in the extraction of met (B) Electrolysis.	als from their ores. (C) Conduction.	(D) None.
13 is used f (A) Electroplating.	or refining certain metal (B) Electrolysis.	s such as copper and zind (C) Conduction.	c. (D) None.

CHEMICAL EFFECTS OF ELECTRIC CURRENT

14. What is electrolysis?
15.Name the vessel consisting of electrodes and electrolyte in which electrolysis takes place.
16. What is current?
17. Name two sources of electric current.
18. What is meant by an electric circuit?
19. What is a battery?
20. Which type of energy is converted into electrical energy in an electric cell?
21. Which effect of electric current is utilized in electroplating?
22. Why is an acid or an ionic salt added to water in the electrolysis of water?
23.Give one term for each:(i) The electrode through which current enters the electrolyte.(ii) The electrode connected to the negative terminal of the battery.(iii) Purifying metals by using electrolysis.
24. When the switch is in the ON position, the circuit from:(A) The positive terminal of the battery to the negative terminal is complete.(B) The circuit is said to be closed.(C) Current flows throughout the circuit instantaneously.(D) All of these.
25. The thin wire that glows when current passes through a bulb is called: (A) Tungsten. (B) Filament. (C) Fuse. (D) Terminal.
26. The bulb gets fused when: (A) The bulb becomes milky. (B) The filament is broken. (C) The glass has broken. (D) The bulb has become too old.
27.It is unsafe: (A) To touch a lighted electric bulb. (B) To carry experiments with electric supply from the mains. (C) To use electric cells for experiments. (D) Both (a) and (b).
28.A wire gets when an electric current passes through it. (A) Weak. (B) Dull. (C) Hot. (D) Cold.
29. The amount of heat produced in a wire depends on its: (A) Length only. (B) Thickness only. (C) Both length and thickness. (D) Material, length and thickness.
30. The filament of an electric bulb glows on passage of current because: (A) It has got heated to a high temperature. (B) It is very thin. (C) A chemical reaction takes place in the bulb. (D) All of these.
31. The ISI mark on an electric appliance ensures that: (A) The appliance is safe. (B) Wastage of energy is minimum. (C) Both (a) and (b). (D) None of these.

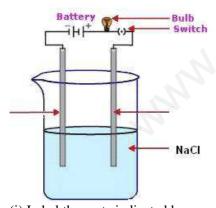
CHEMICAL EFFECTS OF ELECTRIC CURRENT

32.Excessive currents in electric (A) Direct touching of wires. (C) Faulty wiring.		many devices to a single	e socket.			
33. The needle of a compass: (A) Is a tiny magnet that rests in (B) Gets deflected when a magn (C) Gets deflected when current (D) All of these.	net is brought clo	ose to it.				
34.Magnetic effect of the electr (A) Means that a wire behaves (B) Is utilized to make magnets (C) Was first observed by Hans (D) All are correct.	like a bar magnet		y.			
35. Which one is good conducto (A) Wood. (B) Glass.	or of electricity: (C) Silver.	(D) Plastic.				
36. Which one is bad conductor (A) Wood. (B) Copper.	of electricity: (C) Silver.	(D) Gold.				
37. The process of depositing a localled: (A) Electroscoping. (B) Electroscoping.	layer of any desirectroplating.	red metal on another mat (C) Both.	terial by means of electricity is (D) None.			
38. Which one is not a source of (A) Voltaic cell. (B) Da	electric current:	(C) Battery.	(D) None.			
39.An electrode connected to the (A) Anode. (B) Cathode.	ne negative termi (C) Pole.	nal of a battery is called: (D) None.				
40. An electrode connected to the positive terminal of a battery is called: (A) Anode. (B) Cathode. (C) Pole. (D) None.						
41.A compound formed by ions (A) Metallic. (B) Ionic.	is called an (C) Covalent.					
42.A metal is released in the electrolysis of a salt. At which electrode will it be deposited? (A) Anode. (B) Cathode. (C) Both. (D) None.						
43. What is the full form of 'LEI	D '					
44. Does pure water conducts electricity? It not what can we do to make it conducting						
45.Name the products formed v	when electricity p	asses through distilled w	ater			
<2M> 46.What do you understand by	the term magneti	c effects of an electric co	urrent?			
47. What do you understand by the term chemical effects of an electric current?						
48. What is a conductor? Give two examples.						

Downloaded from www.studiestoday.com

CHEMICAL EFFECTS OF ELECTRIC CURRENT

- 49. What is an insulator? Give two examples.
- 50. What do you mean by the term electroplating?
- 51. Write some applications of the chemical effect of current.
- 52. What makes LED more useful for testing the flow of current.
- 53. Why it is dangerous to touch on electrical appliance with a wet hand?
- 54.A child staying in coastal region tests the drinking water and also the seawater with his tester. He finds that compass needle defects more in the case of sea water. Can you explain the reason?
- 55. State two applications of electrolysis.
- < 3M >
- 56. What is an electrode? What are cathode and anode?
- 57. What are dangers of electricity?
- 58. Write some points that should be remember while electroplating.
- 59. Write some uses of electroplating.
- 60.List three conditions that help to ensure a smooth and firm deposit during electroplating.
- <5M>
- 61. What is electroplating? How are steel spoons plated with silver? Explain with the help of diagram.
- 62. An experiment was set as shown below:



- (i) Label the parts indicated by arrows in diagrams.
- (ii) Will the bulb glow if the sodium chloride is in:
- (a) Solid state?
- (b) Molten state?
- (c) Aqueous state?

Explain your answer. .

63.Describe an activity to show that current flowing through solutions produce a magnetic effect