

# Assignment for Electricity

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## Question 1

What will happen if you join the two terminals of a cell without connecting them through a switch or a bulb?

- (a) There will be no impact to cell
- (b) The chemicals in the electric cell get used up slowly and cell will produce electricity longer
- (c) The chemicals in the electric cell get used up very fast and the cell will no longer produce electric current. It will stop working.
- d) None of these

## Question 2

Which is of these are insulators?

- (a) Seawater
- (b) Distilled water
- (c) Tap water
- (d) None of these

## Question 3

A simple device that is used to either break or complete the electric circuit?

- (a) Switch
- (b) Terminal
- (c) Current
- (d) Conductor

#### Question 4

What is false of electric cell?

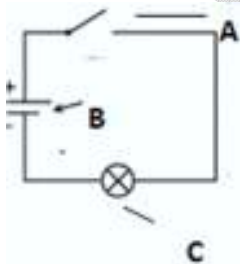
- (a) Chemical energy is converted into electrical energy
- (b) It has a neutral terminal
- (c) It has a Positive Terminal
- (d) It has a Negative Terminal

#### Question 5

Which one of the following statement is false?

- (a) Eraser is a bad conductor of electricity.
- (b) Metals are good conductor of electricity.
- (c) Our body is a good conductor of electricity.
- (d) Plastic is a good conductor of electricity

#### Question 6



(p)A	(u) Electric cell
(q)B	(v)bulb

(r)C	(w)Switch
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- (a) P  $\rightarrow$  W, Q  $\rightarrow$  U, R  $\rightarrow$  V
- (b) P  $\rightarrow$  U, Q  $\rightarrow$  V, R  $\rightarrow$  W
- (c) P  $\rightarrow$  W, Q  $\rightarrow$  V, R  $\rightarrow$  U
- (d) None of these

### Question 7

What is the direction of current flow?

- a) + terminal of cell  $\rightarrow$  Switch  $\rightarrow$  Bulb  $\rightarrow$  - terminal of cell
- b) - terminal of cell  $\rightarrow$  Switch  $\rightarrow$  Bulb  $\rightarrow$  +terminal of cell**
- c) + terminal of cell  $\rightarrow$  - terminal of cell  $\rightarrow$  bulb  $\rightarrow$  switch
- d) None of these

### Question 8

Materials which allow current to pass through them easily are called?

- (a) Insulators
- (b) Conductors
- (c) Switch
- (d) Battery

### Question 9

Materials that do not allow electric current to pass through them ?

- (a) Insulators
- (b) Conductors
- (c) Switch
- (d) Battery

**Question 9**

Which one of the following will allow electric current to pass through?

- (a) Eraser
- (b) Matchstick
- (c) Plastic comb
- (d) Iron Nail

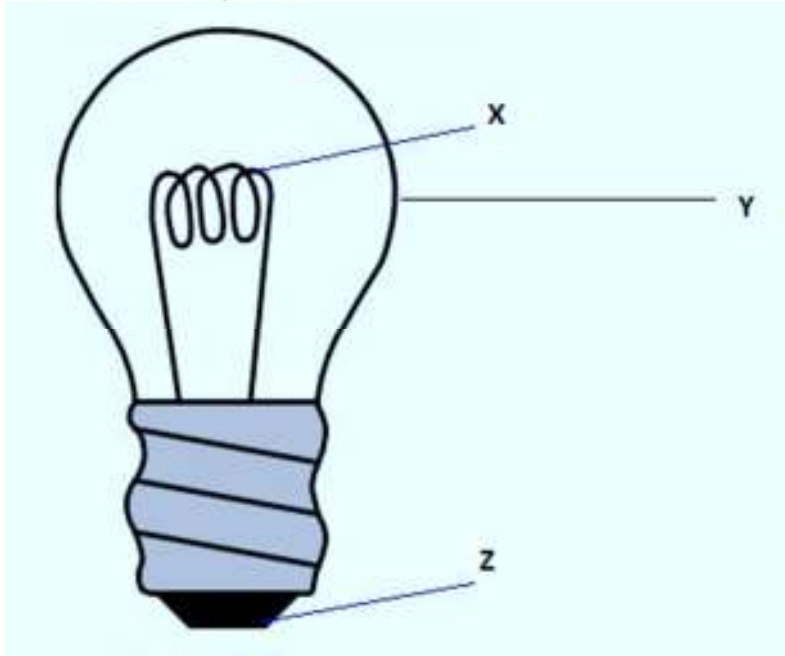
**Question 10**

In an electric bulb, light is produced due to

- (a) The glass case of the bulb
- (b) The gas inside the bulb
- (c) the thick wires supporting the filament
- (d) the thin filament

**Question 11:**

**Match the column**

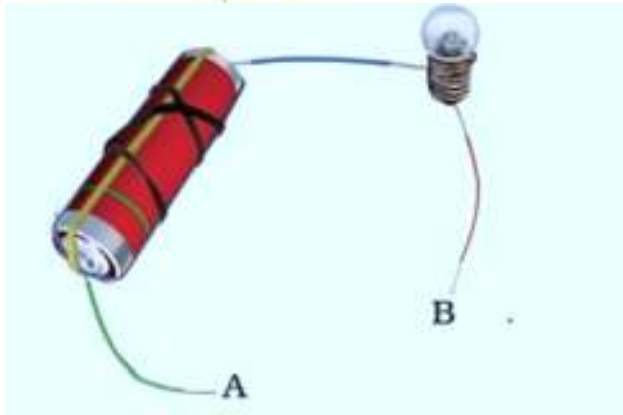


(p)X	(a)Terminals
(q)Y	(b)Filaments
(r)Z	(c)Electric bulb

- (a) P -> A, Q ->B, R-> C
- (b) P -> B, Q ->C, R-> A
- (c) P -> C, Q ->B, R->A
- (d) None of these

**Question 12**

In the below arrangement, the bulb will not glow, if it is connected to



- a) copper wire
- b) metal clip
- c) steel spoon
- d) Plastic

**Question 13:**

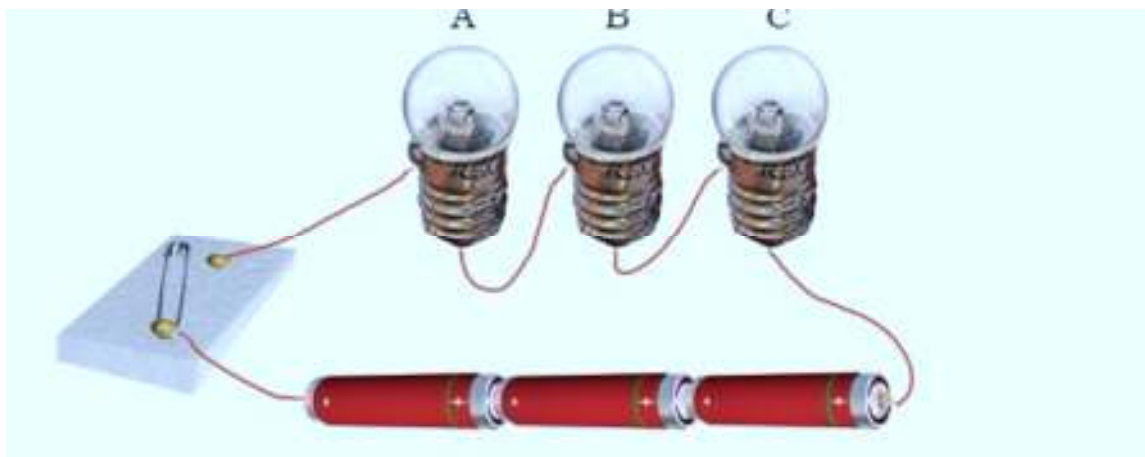


Which is of these is true

- a) If the first bulb filament is broken, the second bulb will still glow
- b) If the second bulb filament is broken, the first bulb will still glow
- c) Both the bulb will glow even if one of the bulb filament is broken

d) Neither of the bulb will glow

**Question 14**



In the above diagram, the switch is moved to On position

- a) Bulb A will glow first
- b) Bulb B will glow first
- c) Bulb C will be glow first
- d) All the bulb will glow together

**Answer:**

- 1: (c)
- 2: (b)
- 3: (a)
- 4: (b)
- 5: (d)
- 6: (a)

7: (a)

8: (b)

9: (a)

10: (d)

11: (b)

12: (d)

13: (d) As the complete electric circuit is not created

14: (d)

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