

Chapter 12

MULTIPLE CHOICE QUESTIONS

- | | | | |
|--------|--------|--------|--------|
| 1. (b) | 2. (a) | 3. (b) | 4. (c) |
| 5. (d) | 6. (d) | 7. (d) | |

VERY SHORT ANSWER QUESTIONS

8. In circuit A the cell will get used up rapidly.
9. Labels 3 and 4 mark the terminals of the bulb.

SHORT ANSWER QUESTIONS

10.



11. No the bulb will not glow in this circuit because the switch is open and the circuit is incomplete.
12. The reason could be because
 - (i) the bulb is fused.
 - (ii) the cell is a used one.
 - (iii) break in connecting wire.

(iv) loose connection.

(Any two)

13.



14. Rechargeable batteries can be recharged by providing them appropriate current.
15. No, Bulb A will not glow as the circuit is not complete.
16. Bulb has two terminals to connect the filament with the circuit so that the current can pass through it.
17. Arrangement A is not desirable and should not be set up. This will exhaust the cell very quickly.
18. In a fused bulb the filament is broken and the circuit is incomplete.
19. Yes. Aluminium foils can act as connecting wires.

LONG ANSWER QUESTIONS

20. Yes, using the arrangement given below he can succeed in getting the bulb glow.



21. (i) In Fig. (1) B to A

In Fig. (2) A to B

(ii) Yes

(iii) No

22. **Activity you perform**

Device

Get light

Torch

Heat water

Geyser/immersion rod

Make toast

Toaster

Cook food

Heater/microwave

Listen to music

CD player/radio/i-pod

23. The possible reason could be

(i) the bulb may be fused.

(ii) the cells may have been used up.

(iii) the cells are not placed in the correct order.

(iv) the switch is faulty.

(Any three)