

1. **Assertion** : Electricity provides both heat and light.  
**Reason** : Electricity is easily convertible to other forms of energy.
2. **Assertion** : Dry cell is used to convert chemical energy into electrical energy.  
**Reason** : Chemical reactions occur in the electrolyte of the dry cell that generate electricity.
3. **Assertion** : With the broken filament, the bulb will never glow.  
**Reason** : Current flows in a complete path.
4. **Assertion** : The stopping and starting of flow of electric current in an electric circuit is controlled by an electric switch.  
**Reason** : The electrical switches close the circuit when it is ON and open the circuit when it is in OFF condition.
5. **Assertion** : We cannot use cotton thread while connecting electric equipments in an electric circuit.  
**Reason** : Cotton thread in an electric circuit can be used as an electrical fuse.
6. **Assertion** : In a simple battery circuit, the point at the lowest potential is negative terminal of the battery.  
**Reason** : The current flows towards the point of the highest potential, as it does in a circuit from negative to the positive terminal.
7. **Assertion** : The electrical wires are covered with plastic and rubber like materials.  
**Reason** : Insulators do not allow the flow of current through them.
8. **Assertion** : Primary cells can be recharged but secondary cells cannot be recharged.  
**Reason** : Chemical reactions involve in primary cells are irreversible and in secondary cells are reversible.
9. **Assertion** : Fuse wire must have low melting point.  
**Reason** : Fuse is used for small current flow only.