

CATHODE

Meaning: Cathode: the electrode in a device, such as a battery or cathode ray tube, that serves as the negative terminal during discharge and emits electrons.

1. The cathode in a battery serves as the negative terminal during discharge.
2. In a cathode ray tube, electrons are emitted from a heated filament and directed towards the screen.
3. The efficiency of the solar cell depends significantly on the quality of its cathode material.
4. As electrons flow from the anode to the cathode, a current is generated in the circuit.
5. Researchers are exploring new materials to improve the performance of lithium-ion cathodes.
6. In electrolysis, the cathode attracts cations from the solution, facilitating the reaction.
7. The design of the cathode can greatly influence the overall efficiency of a fuel cell.
8. A thin layer of conductive material is often applied to the cathode to enhance electron transport.
9. During the experiment, the cathode was observed to emit a faint glow under certain conditions.
10. Understanding the properties of the cathode is crucial for developing advanced electronic devices.

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