

CATHODIC

Meaning: Cathodic refers to the negative electrode in an electrochemical cell or system, particularly in the context of preventing corrosion or analyzing metal behavior in electrolytic environments.

1. The cathodic protection system effectively prevented corrosion in the underwater pipelines.
2. Scientists are studying the cathodic behavior of various metals in different electrolytic environments.
3. A cathodic electrode often serves as a crucial component in electrochemical experiments.
4. The engineers installed a cathodic device to enhance the longevity of the steel structure.
5. In the lab, the cathodic current was carefully monitored to ensure accurate results.
6. Cathodic protection methods are widely used in the oil and gas industry to maintain pipeline integrity.
7. The researchers focused on optimizing the cathodic reactions to improve energy efficiency.
8. During the corrosion test, the cathodic potential was adjusted to observe its effects on material degradation.
9. The cathodic system demonstrated significant improvements in the lifespan of the metal components.
10. Understanding cathodic processes is essential for developing advanced corrosion prevention strategies.

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