

AMPHIBOLIC

Meaning: Amphibolic refers to metabolic pathways that can operate in both anabolic (synthesis) and catabolic (breakdown) directions.

1. The term 'amphibolic' often describes metabolic pathways that can function in either direction.
2. In biochemistry, amphibolic pathways are crucial for the synthesis and breakdown of biomolecules.
3. An amphibolic reaction allows for the efficient use of resources in cellular metabolism.
4. Studying amphibolic pathways helps scientists understand how organisms adapt to varying energy sources.
5. The amphibolic nature of certain cycles makes them flexible in response to cellular needs.
6. Researchers found that the amphibolic pathway plays a key role in regulating energy homeostasis.
7. Understanding amphibolic processes can provide insights into metabolic disorders.
8. The amphibolic characteristics of the citric acid cycle highlight its dual role in energy production and biosynthesis.
9. In ecology, amphibolic pathways can illustrate the interconnectedness of different metabolic processes.
10. Amphibolic reactions are essential for maintaining the balance between catabolism and anabolism in cells.

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