

CATION

Meaning: CATION: A positively charged ion that participates in chemical reactions and migrates towards the cathode during electrolysis.

1. A cation is a positively charged ion that plays a crucial role in chemical reactions.
2. In the process of electrolysis, cations migrate towards the cathode.
3. The presence of cations in a solution can affect its conductivity significantly.
4. Understanding the behavior of cations can help improve battery technology.
5. Cations can form through the ionization of certain molecules when they lose electrons.
6. In biological systems, cations like sodium and potassium are essential for cellular functions.
7. The soil's cation exchange capacity is an important factor for agriculture.
8. In the context of acids and bases, cations can influence pH levels in a solution.
9. Some types of cations, such as calcium, are vital for bone health.
10. Scientists often use cations in experiments to study their interactions with anions.

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