

ISOMORPHOUS

Meaning: Isomorphous refers to substances that have the same crystalline structure but may differ in chemical composition, allowing them to replace each other in a crystal lattice without altering the overall structure.

1. The two minerals are isomorphous, sharing the same crystalline structure despite differing in chemical composition.
2. In chemistry, isomorphous substances can often replace each other in a crystal lattice without significantly altering the overall structure.
3. The researchers discovered that the two compounds were isomorphous, allowing for a seamless transition in their applications.
4. Understanding isomorphous relationships is crucial for predicting the behavior of various materials in different environments.
5. The isomorphous nature of the two alloys made it easier to develop new materials with tailored properties.

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