

CLATHRATE

Meaning: Clathrate refers to a chemical compound in which molecules of one substance are trapped within the crystal structure of another, often forming hydrates under specific conditions.

1. The research focused on the formation of clathrate compounds under extreme pressure conditions.
2. Clathrate hydrates are often found in ocean sediments and are studied for their potential as an energy source.
3. Scientists are investigating the role of clathrate structures in climate change and their impact on methane release.
4. Recent advancements in nanotechnology have allowed for better manipulation of clathrate materials.
5. The unique properties of clathrate compounds make them valuable in various industrial applications, including gas storage.

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