

CALCINATION

Meaning: Calcination is the process of heating a substance to a high temperature in the presence of air or oxygen, causing thermal decomposition, often used in the production of materials like cement.

1. Calcination is a crucial process in the production of cement.
2. The calcination of limestone releases carbon dioxide into the atmosphere.
3. During calcination, minerals are subjected to high temperatures to drive off volatile substances.
4. The calcination of clay is essential for creating durable ceramic materials.
5. Researchers are studying how calcination affects the properties of various metal oxides.
6. In some chemical processes, calcination is used to prepare precursors for further reactions.
7. The efficiency of calcination can significantly influence the quality of the final product.
8. Calcination is often performed in rotary kilns to ensure uniform heating.
9. Understanding the kinetics of calcination helps improve industrial applications.
10. The calcination of certain materials can lead to the formation of highly reactive powders.

Source: sentences.whatistheurl.com

<https://sentences.whatistheurl.com/sentence/calcination>