

# thermal decomposition *(ther-mal-de-com-po-si-tion)*

## Definition

n. a chemical process in which a compound is broken down into smaller components or simpler substances when heated.

## Example Sentence

**Thermal decomposition** occurs when calcium carbonate is heated, producing calcium oxide and carbon dioxide.

## More Example Sentences

The study of **thermal decomposition** is essential in understanding how various materials behave under heat.

## Synonyms

heat decomposition; thermal breakdown