

# isolated system *(i-so-lat-ed-sys-tem)*

## Definition

n. A physical system that does not interact with its surroundings, meaning there is no exchange of matter or energy across its boundaries.

## Example Sentence

In thermodynamics, an **isolated system** is idealized as having no interaction with its environment.

## More Example Sentences

The concept of an **isolated system** is useful for theoretical models in physics.

## Synonyms

closed system; autonomous system; self-contained system

## Antonyms

open system; interactive system; connected system

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