

closed system *(closed---sys---tem)*

Definition

n. A physical system that does not exchange any matter with its surroundings and is not subject to any force whose source is external to the system.

Example Sentence

In a **closed system**, energy can be transferred within the system but not exchanged with the environment.

More Example Sentences

The experiment was conducted in a **closed system** to ensure no external factors influenced the results.

Synonyms

isolated system; sealed system; contained system

Antonyms

open system; interactive system; permeable system

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