

# balanced force *(bal-anced-force)*

## Definition

n. A situation in which all the forces acting on an object are equal and opposite, resulting in no change in the object's motion.

## Example Sentence

When a **balanced force** acts on an object, it remains at rest or continues to move at a constant velocity.

## More Example Sentences

The book on the table is in a state of **balanced force**, as gravity and the table's support cancel each other out.

## Synonyms

equilibrium; stable force; neutral force

## Antonyms

unbalanced force; net force; resultant force

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