

# Vocabulary Cards

force

A push or pull

tension

A force that stretches and pulls apart an object

compression

The force that acts to squeeze an object or push parts together

torque

A measure of the force that can cause an object to rotate about an axis

system

A set of things working together as parts of a mechanism or an interconnecting network

load

Forces applied to a structure

weight

The vertical force experienced by a mass as a result of gravitation

magnitude

The great size or extent of something

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internal force

Force that one part of a structure imparts on another within the same structure

external force

A force applied on a structure from the outside; stress that does not come from the structure itself

strength

The ability to exert or withstand a great force

stability

The ability to resist changes in position

function

The purpose for which something is designed or exists

shear

Force that acts to push parts in opposite directions

dynamic

Something in a state of change

static

Something in a state of not changing