

9L Pressure and moments

literacy in science

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Answer all the questions below:

 [Click mouse to reveal answer](#)

1) Unscramble the following words:

pruressse

potiv

lerve

mntome

2) Make three sentences using the following nine words or phrases:

gas particles
lever
moment

bouncing off
simple machine
turning force

walls of a container
work
newton metre

3) Match the word or phrase with the right meaning:

Pressure

A simple machine that applies a turning force around a point

Moment

The effect of a force spread over an area

Lever

The turning effect of a force applied through a lever

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pivot

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3) Match the word or phrase with the right meaning:

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The effect of a force spread over an area

Moment



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Lever



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complete the sentence

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Place the right word or words to complete the sentence:



Click mouse to reveal answer

lever

terminal

balanced

simple

inflated

wide

pressure

newtons

depends

- a) A force applied to a _____ has a turning effect or moment.
- b) Gases exert _____ on their containers because their particles are in constant collision with the container's walls.
- c) Pressure is measured in _____ per metre squared.
- d) A lever like a screwdriver is a _____ machine.
- e) At _____ velocity, up thrust due to air resistance is equal to weight force.
- f) When levers are _____, the moments are the same each side of the pivot.
- g) Balloons _____ at sea level are much more likely to pop on top of mountains.
- h) The turning effect _____ on the size of force and its distance from the pivot.
- i) A Polar bear has _____ feet to stop ice breaking under its weight.

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complete the sentence

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Place the right word or words to complete the sentence:

lever

terminal

balanced

simple

inflated

wide

pressure

newtons

depends

- a) A force applied to a lever has a turning effect or moment.
- b) Gases exert pressure on their containers because their particles are in constant collision with the container's walls.
- c) Pressure is measured in newtons per metre squared.
- d) A lever like a screwdriver is a simple machine.
- e) At terminal velocity, up thrust due to air resistance is equal to weight force.
- f) When levers are balanced, the moments are the same each side of the pivot.
- g) Balloons inflated at sea level are much more likely to pop on top of mountains.
- h) The turning effect depends on the size of force and its distance from the pivot.
- i) A Polar bear has wide feet to stop ice breaking under its weight.