

# 9L Pressure and moments

## 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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Place the right word or words to complete the sentence:

lever

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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.