

# 7K Forces and their effects

## literacy in science

Science Interactive LTD. PO BOX 50764 LONDON NW6 9AT email: sales@science-interactive.co.uk

web: www.science-interactive.co.uk

Answer all the questions below:



Click mouse to reveal answer

1) Unscramble the following words:

neonwt

rcefo

labceand

rioctnfi

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

forces make  
force has  
mass

objects speed up  
magnitude  
amount

direction / shape  
and direction  
matter

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

Force



Can change the shape, speed or direction of an object

Mass



Is the force that acts when objects move over each other

Friction



Is the amount of matter in an object

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Answer all the questions below:

1) Unscramble the following words:

newton

force

balanced

friction

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

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Mass

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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](#)

speed

useful

matter

seen

resting

factors

force

brakes

weight

- a) A \_\_\_\_\_ applied to an object can change its speed, shape or direction.
- b) A \_\_\_\_\_ is measured in Newtons.
- c) The friction between your shoe and the ground is an example of \_\_\_\_\_ friction.
- d) Mass is the amount of \_\_\_\_\_ in a object and is measured in kilograms.
- e) \_\_\_\_\_ is a force caused by gravity acting on an object's mass.
- f) Forces cannot be \_\_\_\_\_, but their effects can.
- g) There are two main \_\_\_\_\_ that affect how quickly a car stops, its mass and speed.
- h) A example of a balanced force acting on an object is a tea cup \_\_\_\_\_ on a table.
- i) \_\_\_\_\_ apply a force to slow a car down. The car's kinetic energy is converted into heat.

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## complete the sentence

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Place the right word or words to complete the sentence:

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- a) A force applied to an object can change its speed, shape or direction.
- b) A force is measured in Newtons.
- c) The friction between your shoe and the ground is an example of useful friction.
- d) Mass is the amount of matter in a object and is measured in kilograms.
- e) Weight is a force caused by gravity acting on an object's mass.
- f) Forces cannot be seen, but their effects can.
- g) There are two main factors that affect how quickly a car stops, its mass and speed.
- h) A example of a balanced force acting on an object is a tea cup resting on a table.
- i) Brakes apply a force to slow a car down. The car's kinetic energy is converted into heat.