

9K Speeding up

literacy in science

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Answer all the questions below:

 Click mouse to reveal answer

1) Unscramble the following words:

sdpee

otinfric

aceranctioel

vocietyl

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

force applied
friction
falling object

speed up
between moving
Speeds up

slow down
objects
terminal velocity

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

Speed

The maximum speed an object goes falling through air

Terminal velocity

An object that has an aerodynamic shape to cut through air

Streamlined

The distance traveled, divided by the time taken

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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

liquid

speed

sports

maximum

increase

drag

changes

direction

travelled

- a) To calculate an object's _____ you must divide distance travelled by time taken.
- b) A distance time graph shows how an object's speed _____ during a journey.
- c) An unbalanced force can change an object's speed, _____ of travel and/or shape.
- d) Terminal velocity is the _____ speed that a falling object will travel through air.
- e) An _____ in an object's speed is called acceleration.
- f) If an object has _____ 10 km in 30 minutes, its speed will be 20 kmh⁻¹.
- g) The _____ on a moving object through a liquid or gas is determined by its speed and shape.
- h) A drag force acts when an object moves through a gas or _____ .
- i) Streamlining a _____ car reduces the drag force.

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complete the sentence

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- a) To calculate an object's speed you must divide distance travelled by time taken.
- b) A distance time graph shows how an object's speed changes during a journey.
- c) An unbalanced force can change an object's speed, direction of travel and/or shape.
- d) Terminal velocity is the maximum speed that a falling object will travel through air.
- e) An increase in an object's speed is called acceleration.
- f) If an object has travelled 10 km in 30 minutes, its speed will be 20 kmh⁻¹.
- g) The drag on a moving object through a liquid or gas is determined by its speed and shape.
- h) A drag force acts when an object moves through a gas or liquid.
- i) Streamlining a sports car reduces the drag force.