

HOMEWORK

Date - 6.10.21

Ch-Force

Questions

1. What are the effects of force?
2. Differentiate contact and non-contact force.
3. What do you mean by normal force?
4. Differentiate mass and weight.

required to keep
surface. The
friction.

an obj

the block remains moving on the table such that
covers equal distances in equal intervals.
Note:

5. Define rolling friction with one example.

Answers

1. The effects of force are -

- A force can move a body originally at rest.

- A force can stop a moving ~~body~~ body.

- A force can make a moving body to move faster.

- A force can slow down a moving body.

A force
the
of a

A force
the shape
body

2. Ca

The force
acts
by making
contact
called
force

Ex -
pull

3. It is a force that is always at a 45 degree angle.

4. Mass

Weight

- Mass is the amount of substance in an object.

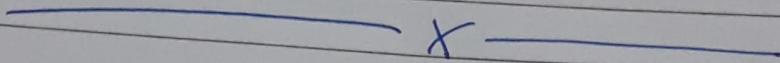
- Mass is always constant for every object

The ~~amount~~ weight is the amount of ~~gravitational~~ downward gravitational force ~~exerted~~ exerted on the object.

- Weight varies from place to place

hat

5. When an ~~ove~~ body ~~rotates~~ rolls over the surface of another body. The resistance to its motion is called the rolling friction. Ex - Ball bearings are used between the hubs ~~of~~ and axles of a ceiling fan and a bicycle.



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While diving, a swimmer lets himself be followed by his body. To reduce the friction, the shape of a body, etc. is designed. The shapes of bodies are designed so that they reduce friction between the



(a) Boat



(b) Aeroplane



(c) Fish



(d) Bird

ing of shape to r

FRICTION

thought that it should be a frictionless world. More convenient. More depend on t