

4. What are the disadvantages of friction.

- Ans -
- Friction ~~de~~creases efficiency
 - Friction produces heat
 - Friction causes wear and tear

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Physics homework

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• What are the effects of force?

- Ans -
- > Friction opposes motion
 - > Friction always acts in a direction opposite to the direction of motion
 - > Friction produces heat
 - > Friction causes wear and tear

• Differentiate contact and non-contact forces.

Ans - Contact forces are applied on objects with physical contact. Non-contact forces are applied on objects without any physical contact.

• What do you mean by normal force?

Ans - A force which is normal to a surface

is called normal force.

Differentiate mass and weight.

Mass is the quantity of matter contained in it. Weight is the quantity of force contained in it.

Define rolling friction with one example.

When an object is rolling on a surface, the friction acting upon the object which is rolling is rolling friction. It is less than sliding friction. Vehicles like cars, trucks, scooters, bicycles and luggage trolleys etc. are provided with wheels.