

Q. What are the effects of friction?

Ans. Effects of friction are:

1. Friction opposes motion
2. Friction always acts in a direction opposite to the direction of motion
3. Friction produces heat
4. Friction causes wear and tear

1 - Define contact and non-contact force.

Ans: Contact force: The force which are applied on body by making a physical contact is called contact force.

Non-contact force: the force experienced by a bodies even without being physical touched are called the non-contact force.

2 - Define force of friction.

Ans: Friction is a force that opposes the relative motion between two surfaces of objects in contact. The force of friction always acts in a direction opposite to that of the applied force.

Q. What are the advantages and disadvantages of friction?

Ans: Advantages of friction are:

- i It helps us walk on the grounds.
- ii Brakes in a car make use of frictions to stop the car.
- iii It helps in the generation of heat before reaching when we rub our hands.

Disadvantages of force friction.

- i Friction produces heat which damages the moving parts of a machine.
- ii Friction produces wear and tear on the contacting surfaces. This produces the life of machine parts, tyre and shoe soles.
- iii A lot of energy is wasted in overcoming the friction before an object starts moving.

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Q. What is friction?

Ans: Friction is the force that opposes the relative motion or tendency of such motion of one solid object over another. It acts in the opposite direction to the direction of motion or rolling.

Q. What are the effects of friction?

Ans: Effects of friction are: