

Name - Swarjit Nath
6, B

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Ex: B.

13. What do you understand by the term 'friction'.

Ans. The force which slows down the motion of a moving body in contact with the surface of another body is called the friction force.

14. Give an example to illustrate the existence of force of friction.

Ans. While pushing a heavy box, the force of friction opposes the motion and makes it difficult for us to push it.

Q. Explain with example how list the effects of friction.

Ans: The effects of friction are:-

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

Q. Explain with example how friction opposes motion.

Ans. Suppose we want to move a box. If we apply a little force the box doesn't move. This means ^{between} the ground and the box have some opposing force.

Q. 'Friction always acts in a direction opposite to the direction of motion'. Justify the statement by giving an example.

Ans: When we push a ball it rolls on ground and stops after some time. This justifies that a opposite force is working against the motion.

Q - How can you prove that friction produces heat? Give an example.

Ans = If we rub our palms ~~ms~~, they become warm. It is due to friction that the moving parts of a machine get warm.