

Exercise

B.13) ~~The term friction~~ Friction is a type of force which opposes motion of a body moving on a surface and helps to stop it. 'Friction' word is derived from the latin word "fricare" which means to rub.

14) A toy car, when moved, stops by itself after sometimes. This shows that friction exists.

Q. List the effects of friction.

Ans- Friction opposes motion

- Friction moves in a direction opposite in which a body is moving.
- Friction produces heat.
- Friction causes wear and tear.

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

Ans- When we move a ball on a surface to the left, the friction is exerted ~~from~~ towards right. When we move it right, the friction is exerted towards left and stops the ball.

Q. Friction produces heat. Explain by giving example.

Ans. When we rub our hands, we experience heat. and when we rub two dry stones, they produce heat and fire. In both the cases, the heat is produced due to friction.

Sansib kumar Mohanty
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Q. Explain with example, how friction opposes motion.

Ans. When a toy car is moved, it stops after some time because friction opposes its motion.