

LESSON – 11

PUSH AND PULL

1. Tick the correct answer.

a. The force that tries to stop a moving object is

Ans.(ii). Frictional force.

b. The force exerted by the earth on all objects is called

Ans.(ii). Gravitational force.

c. Magnets attract

Ans.(i). Iron.

d. We are able to walk on the earth due to

Ans.(ii). Frictional force.

e. When you press a toothpaste tube, you are applying force to

Ans.(ii). Change the shape.

2. Write True or False.

a. Force can only push objects. **False**

b. Friction is a force that opposes motion. **True**

c. Force can change the shape of some objects. **True**

d. The force of friction keeps us on the surface of the earth. **False**

e. Friction is less on rough surface. **False**

3. Fill in the blanks.

- a. **Force** is a push or a pull.
- b. The force exerted by the earth is called **gravitational** force.
- c. To make an object move faster you need to apply force in the direction **of the movement**, the object.
- d. To slow down a moving object, force has to be applied in the **opposite** direction.

4. Answer the following questions briefly.

- a. List the effects of force.

Ans. The effects of force are:

- i. Force can make a stationary object move.
- ii. Force can stop a moving object.
- iii. Force can change the shape of an object.

- b. What is gravitational force?

Ans. The force of the earth that pulls all object towards itself is called gravitational force.

- c. What is frictional force?

Ans. The force that opposes motion is called frictional force.

- d. What is magnetic force?

Ans. The force exerted by a magnet on iron objects is called magnetic force.

- e. What is muscular force?

Ans. The force exerted by the muscles is called muscular force.

f. What would happen if the earth had no gravity?

Ans. If the earth had no gravity, we would be floating in the air.