

Chapter-11 Force And Pressure

1. Give two examples each of situations in which you push or pull to change the state of motion of objects.

The examples of situations are:-

- i. Pushing someone on the swing.*
 - ii. Pulling a loaded trolley.*
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2. Give two examples of situations in which applied force causes a change in the shape of an object.

The examples of situations are:-

- i. Squeezing a lemon*
 - ii. Kneading dough*
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3. A blacksmith hammers a hot piece of iron while making a tool. How does the force due to hammering affect the piece of iron?
In shape of the iron piece gets changed by the force applied while hammering it.
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4. An inflated balloon was pressed against a wall after it has been rubbed with a piece of synthetic cloth. It was found that the balloon sticks to the wall. What force might be responsible for the attraction between the balloon and the wall?

The electrostatic force is responsible for the attraction between the balloon and the wall.

5. *Name the forces acting on a plastic bucket containing water held above ground level in your hand. Discuss why the forces acting on the bucket do not bring a change in its state of motion.*

Due to balanced force, the bucket does not change its state of motion.