

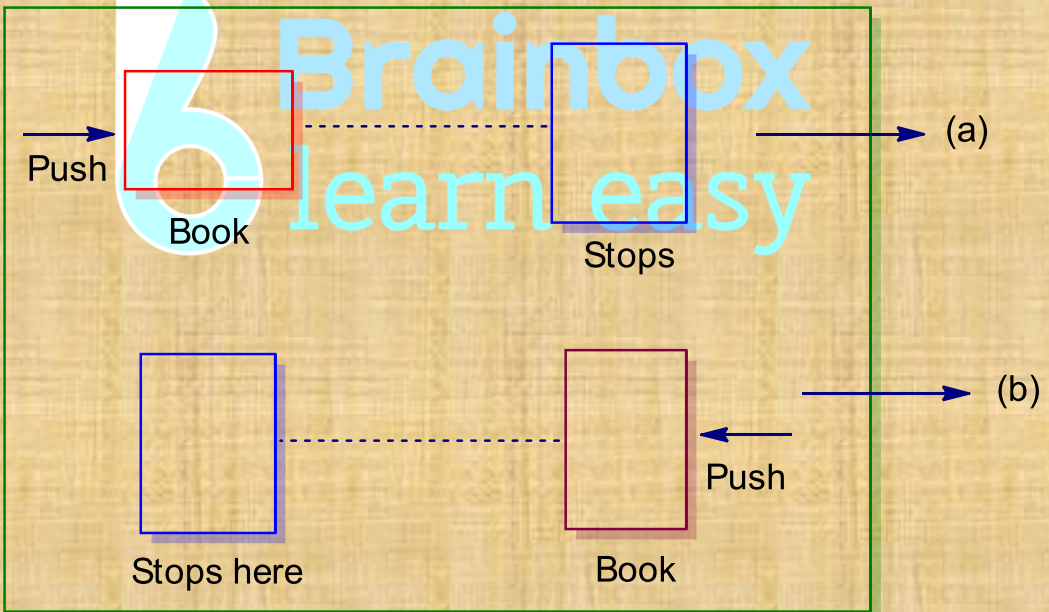
Chapter 12

FRICTION

Introduction:

Before discussing about what is friction, Let us look at few examples.

- When a ball is thrown on a floor, it will get stopped after travelling some distance.
- When a driver does not accelerate the bus, it will come to a halt after travelling distance.
- It is difficult to walk on a sand floor compared to cement floor.
- It is difficult to walk on smooth and wet floor.
- If we push a book on a table, it will stop after moving some distance.



- We can clearly say that a force must be acting on the book opposing the motion. This force is called frictional force.
- Friction is the force which oppose the relative motion.
- Relative motion means motion of one body w.r.t table.

- In fig (a), direction of friction is left because motion is right side.
- In fig (b), direction of friction is right side because motion of book is left side.

