

13. Friction - The force which slows down the motion of a moving body in contact with the surface of another body, is called the frictional force or the force of friction.

#### 14. EFFECTS OF FRICTION

1. Friction opposes motion.
2. Friction always acts in a direction opposite to the direction of motion.
3. Friction produces heat.
4. Friction causes wear and tear.

Q. Explain with an example how friction opposes motion.

Ans - If we push the box with a little effort, we find that the box does not move. This means that there is some opposing force between the box and the ground which makes the box not to move.

Q. Ans - Friction always acts in a direction opposite to the direction of motion. If we move the box to the right, the friction acts towards the left and if we move the box to the left, the friction acts towards the right.

Q. Ans - When we rub our palms they become warm this shows that friction produces heat.