

# VIDYA BHAWAN BALIKA VIDYAPEETH

## STUDY MATERIAL SCIENCE CLASS-VIII

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### ▸ Friction

Friction opposes the relative motion between two surfaces in contact. It acts on both the surfaces.

#### Factors Affecting Friction :

- ✧ Friction depends on the nature of surfaces in contact.
- ✧ For a given pair of surfaces, friction depends upon the state of smoothness or roughness of those surfaces. It is less for smooth surfaces.
- ✧ Friction is independent of the area of contact.
- ✧ Friction depends on how hard the two surfaces pressed together.

**Static Friction :** The force required to overcome friction at the instant an object starts moving from rest is called static friction.