

# VIDYA BHAWAN BALIKA VIDYAPEETH

## STUDY MATERIAL SCIENCE CLASS-VIII

Date : 22-11-2020

Teacher : Poonam Kumari

### ▸ Friction

#### **Advantages and Disadvantages of Friction :**

Advantages of friction are as follows –

1. Friction between pen and paper enables us to write on the paper.
2. It enables us to hold pen.
3. Friction between our feet and the ground allows our movements like standing, walking and running.
4. It holds screw in wood.
5. It allows dishes to stand on table & many more.
6. Friction between the surface of the road and tyres of our vehicles allow the vehicles to move without slipping

Disadvantages of friction are as follows –

1. Friction produces heat, but some of the energy is wasted in overcoming friction.
2. It causes wear and tear of sole of shoes. For example, the sole of our shoes wears out after prolonged use because of friction with the rough road surface.
3. The heat product by friction damage rubber parts of machine.
4. Friction causes moving objects to stop or slow down.