

[Assignment](#)  
[Class-4](#)  
[Science](#)

**Chapter- 12**  
**Friction as a Force**

**A. Answer these questions:**

Ques1- Define friction.

Ans- The force that acts between the two surfaces in contact is called friction.

Ques2- What is the cause of friction between two surfaces in contact?

Ans- Roughness of the surfaces in contact is the main cause of friction.

Ques3- Write any three advantages of friction?

Ans- The three advantages of friction are -

- .Friction helps us in walking conveniently.
- .Friction helps us in writing on a piece of paper.
- .Friction helps us in lighting a matchstick.

Ques4- Write any three disadvantages of friction?

Ans- The three disadvantages of friction are-

- .Friction reduces the speed of a body in motion.
- .The heat produced during friction may damage the machine.
- .Friction causes wear and tear of the rubbing surfaces.

Ques5- How can you reduce friction? List three ways .

Ans- The three ways to reduce friction are -

- .by polishing the rough surfaces
- .by using ball bearings.
- .by lubricating the surfaces using oil and grease.