

ST. THOMAS SCHOOL , DHURWA , RANCHI – 4

SESSION – 2020 – 2021

STD – 4

SCIENCE

EXERCISES (Objective Type Questions) pg no. 133 & 134

Model Answers

- A. Choose the correct option .
1. (a) surface
 2. (c) friction
 3. (b) road
 4. (a) wear and tear
- B. Choose the correct word to fill in the blank .
1. Friction
 2. Surface
 3. Rougher
 4. Energy
 5. Oiling
- C. Write True or False.
1. True
 2. False
 3. True
 4. True
- D. Complete the following using the given words .
1. Force
 2. Slowing
 3. Stopping
 4. Surface
 5. Little
 6. Energy

Subjective Type Questions (pg. 134)

- E. Answer the following in short.

1. Friction is a force between two surfaces that are sliding or trying to slide across each other.
2. Friction slows down an object because it acts as an opposite force towards a moving object.
3. We can write on a paper due to friction between the pencil tip and the paper.
4. Friction wastes energy because it makes it difficult for things to move.

F. Answer the following in detail.

1. Friction is important because it helps us to do many things in our daily life such as –
 - a) We are able to walk because of friction between our feet and the ground.
 - b) Friction helps us to hold things.
 - c) We can write on a paper due to friction between the pencil tip and the paper.
 - d) Vehicles run on the road because of friction between the tyres and the road.
2. Some harmful effects of friction are as follows –
 - a) Friction wastes energy because it makes it difficult for things to move.
 - b) Friction causes wear and tear of surfaces of objects.
 - c) Friction causes parts of the moving machine to wear out . So the parts have to be changed after some time.

Some steps to reduce friction are –

- a) Making surfaces that rub against each other smooth by polishing and smoothening them.
- b) Oiling

Test your Understanding (page no. 130)

State whether true or false.

1. True
2. False
3. True
4. True

