

CLASS-VIII
SCIENCE
CHAPTER-12

Very Short Answer Questions

★ Question 1.

★ What is the force of friction?

★ Answer:

★ The force acting on a moving object equal and opposite to the direction of motion is called force of friction.

★ Question 2.

★ What is the cause of friction?

★ Answer:

★ The irregularities on the two surfaces in contact is the cause of friction.

★ Question 3.

★ What is the force responsible for wearing out of bicycles tyres?

★ Answer:

★ Frictional force

★ Question 4.

★ Is the friction same for all objects?

★ Answer:

★ No

★ Question 5.

★ Why are wheels of vehicles made circular?

★ Answer:

★ Rolling friction is less than sliding friction.



★ Question 6.

★ What is the direction of force of friction acting on a moving object?

★ Answer:

★ Opposite to the direction of moving objects.

★ Question 7.

★ Why do pieces of luggage fitted with rollers?

★ Answer:

★ To reduce friction and to pull them easily.

★ Question 8.

★ Why does a matchstick catch fire when rubbed on the rough surface of

★ the box?

★ Answer:

★ Due to friction between the stick and rough surface a matchstick

★ catches fire.

★ Question 9.

★ What is the name of special shape given to objects moving in fluids?

★ Answer:

★ Streamlined

★ Question 10.

★ Give one example where ball bearings are used.

★ Answer:

★ Ceiling fan

★ Question 11.

★ Does friction depend on the nature of objects?

★ Answer:

★ Yes

★ Question 12.

★ What is the use of lubricants?

★ Answer:

★ Yes

★ Question 13.

★ What is the use of lubricants?

★ Answer:

★ Yes



Answer:

They are used to reduce friction.

Question 13.

Which surface does produce more friction—smooth or rough surface?

Answer:

Rough surface

Question 14.

Why is fine powder sprinkled on the carrom board?

Answer:

In order to reduce friction powder is sprinkled on carrom board.

Question 15.

Why is it difficult to walk on the wet marble floor?

Answer:

The wet marble floor has less friction. So it is difficult to move on it.

Question 16.

Why does the jar of a mixer become hot when it is run for few minutes?

Answer:

It becomes hot due to friction.

Question 17.

Name the types of friction.

Answer:

- Static friction
- Sliding friction
- Rolling friction
- Fluid friction



★ Question 18.

★ Which force helps us to write on the paper or blackboard?

★ Answer:

★ Frictional force



★ Question 19.

★ What is drag?

★ Answer:

★ The frictional force exerted by fluids is called drag.



★ Question 20.

★ What are fluids?

★ Answer:

★ Commonly gases and liquids are called fluids.



★ Question 21.

★ Give some examples having streamlined body.

★ Answer:

★ Aeroplanes, birds, ships, etc.



★ Question 22.

★ Oil, creams and grease are called lubricants. Why?

★ Answer:

★ Because they reduce friction.



★ Question 23.

★ How can fluid friction be minimised?

★ Answer:

★ By giving suitable shapes to bodies moving in fluids.



★ Question 24.

★ When does static friction come into play?

★ Answer:

★ When we try to move an object at rest, static friction comes into play.





★ Question 25.

★ Can we reduce friction to zero?

★ Answer:

★ No

