

Name: _____ Date: _____

Friction

Q1. What are fluids? Name two common fluids.

Ans. _____

Q2. Why do gymnasts apply a coarse substance to their hands?

Ans. _____

Q3. Why is it difficult to climb up an oily or greasy pole?

Ans. _____

Q4. Why do tyres of cars wear out gradually?

Ans. _____

Q5. What is static friction?

Ans. _____

Q6. What is sliding friction?

Ans. _____

Q7. What is rolling friction?

Ans. _____

Friction

Q1. What are fluids? Name two common fluids.

Ans. In science, the common name of gases and liquids is fluids. Example: air and water.

Q2. Why do gymnasts apply a coarse substance to their hands?

Ans. Gymnasts apply some coarse substance on their hands to increase friction for better grip.

Q3. Why is it difficult to climb up an oily or greasy pole?

Ans. An oily or greasy pole has much less friction due to which it is difficult to climb up an oily or greasy pole.

Q4. Why do tyres of cars wear out gradually?

Ans. The tyres of cars wear out gradually due to friction between the surface of tyres and the surface of road.

Q5. What is static friction?

Ans. The force required to overcome friction at the instant an object starts moving from rest is a measure of static friction.

Q6. What is sliding friction?

Ans. The force required to keep the object moving with the same speed is a measure of sliding friction.

Q7. What is rolling friction?

Ans. When one body rolls over the surface of another body, the resistance to its motion is called the rolling friction.