

# PRACTICE ASSIGNMENT

## CLASS 8

### FRICTION

QI. Fill in the blanks:

1. The force of friction always acts in the \_\_\_\_\_ direction to the applied force.
2. \_\_\_\_\_ comes into play when we try to move an object at rest.
3. \_\_\_\_\_ comes into play when an object is sliding over the object.
4. Sliding friction is always \_\_\_\_\_ than static friction.
5. Friction can be \_\_\_\_\_ by using lubricants.
6. Friction is the force which \_\_\_\_\_ the relative motion between two surfaces.
7. Friction can be increased by making a surface \_\_\_\_\_.
8. The friction force exerted by fluid is also called \_\_\_\_\_.
9. The common name of gases and liquids is \_\_\_\_\_.
10. Name the device used for measuring the force acting on an object \_\_\_\_\_.

QII. Answer the following

1. Name two methods of reducing friction.
2. Why the soles of shoes and tyres of cars, truck etc. are grooved.

3. What is the cause of friction?

4. How the fluid friction can be minimized.

Q III. What kind of friction comes into play?

(a) When a block of wood kept on table moves slowly

(b) When a block of wood kept on table just tends to move (or slip)

(c) When a block of wood kept on cylindrical iron rods moves

(d) When a roller skaters just rolls down the skates

Q IV. Which type of surface produce (a) more friction and (b) less friction

Q V. A car is moving towards North. What will be the direction of force of friction acting on this car due to surface of road?

Q VI. Why does a man slip when he steps on a banana peel thrown on the road?

Q VII. Explain why:

(a) a pencil will write on paper but not on glass

(b) The handles of motor cycle are covered with a rubber sheet with spikes.