



**INDIAN SCHOOL DARSAIT
DEPARTMENT OF SCIENCE**

Subject :Physics Topic : Friction Date of Worksheet : 21.08.2017

Resource Person: Mrs Sandhya Jitheesh Date :

Name of the Student : _____ Class & Division : VIII---- Roll Number : __

- 1 a. . The force of friction always act in the-----direction to the applied force. 1
 - b. Friction can be increased by making a surface-----
 - c. The friction force exerted by fluid is also called-----
 - d. Name the device used for measuring the force acting on an object -----
- 2 Frictional force is an example of -----force. 1
- 3 Give one word for the following: 1
 - a. The frictional force exerted by fluids.
 - b. Resistance to the motion of the body when one body rolls over the surface of the other.
 - c. Small spherical metallic balls used between the parts of the machine.
- 4 Say whether friction is helpful or troublesome in the following cases. 1
 - a. Applying the brakes on a cycle.
 - b. lighting a matchstick
 - c. Rohan uses a towel to open a tightly-closed lid of a bottle.
 - d. The engine of a car becomes hot after running for some time.
 - e. Soles of shoes wear out after some time.
 - f. Writing on paper and blackboard
 - g. Truck tyres have grooves on it
- 5 Tyres have grooves on their surface to :- 1
 - a. decrease friction b. increase friction
 - c. decrease applied force d. equalize applied and frictional force.
- 6 A boy exerts force of 40N on a block and 60N frictional force operates in opposite direction. Result will be? 1
 - a. A force of 100N will make block move b. block will not move due to cancellation of both forces
 - c. block will not move because opposing force is more than applied force
 - d. block will move with a force of 20N
- 7 An irregular surface will have :- 1
 - a. lesser friction b. greater friction c. zero friction d. lubrication
- 8 Why do meteors burn soon after entering earth's atmosphere? 1
- 9 Give reasons: 3
 - a. Mechanics use grease between the moving parts of the cycle.
 - b. Athletes wear specially designed shoes with spikes on the soles
 - c. Nidhi removes her bangles by applying soap to her hands.

