



**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.

Subject :Physics Topic : Force and Pressure Date of Worksheet : 21.08.2017

Resource Person: Mrs Sujisha Sumith Date :

<u>One mark questions</u>	
1.	If two or more forces act on a body in the same direction :- a) net force decreases b) net force increases c) net force remains the same d) pressure decreases
2.	Device which measure liquid pressure. a) barometer b) manometer c) hydrometer d) anemometer
3.	Which of the following force is only attractive? a) Gravitational force b) magnetic force c) electrostatic force d) none of these
4.	The SI unit of pressure a) Newton b) kilogram c) metre d) Pascal
5.	<u>Match the following</u> Column A a) barometer b) Electrostatic force c) Frictional force d) gravitational force e) magnetic force f) Newton g) manometer Column B i) atmospheric pressure ii) an apple falls on earth iii) Iron nails get attracted to magnet iv) SI unit of force v) tiny bits of dry paper are pulled by the rubbed comb vi) moving ball stops after sometime vii) liquid pressure
6.	<u>True or false type questions</u> i) A magnet attracts all metals towards itself. ii) Force always acts on a particular direction. iii) Friction is always harmful. iv) A fountain pen start leaking at higher altitudes
<u>Two mark questions</u>	
7.	Give one example of each where: a) A force moves a stationary body b) A force stops a moving body. c) A force changes the speed of a body d) A force changes the shape or size of a body.