

Worksheet:-10

Subject: - Science

Class:-VIII

Teacher:-Mrs. Sandhya Sood

Name:- \_\_\_\_\_

Class &amp; Sec.:- \_\_\_\_\_

Roll No.:- \_\_\_\_\_

Date:- 30.04.2020

**Ch: FRICTION**

- [https://youtu.be/mHd\\_morKk1w](https://youtu.be/mHd_morKk1w)
- <https://youtu.be/JEWk6-xpCjI>
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Q.1. Fill in the blanks:

- Friction opposes the \_\_\_ between the surfaces in contact with each other.
- Friction depends on the \_\_\_ of surfaces.
- Friction produces \_\_\_.
- Sprinkling of powder on the carom board \_\_\_ friction.
- Sliding friction is \_\_\_ than the static friction.

Q.2. Four children were asked to arrange forces due to rolling, static and sliding frictions in a decreasing order. Their arrangements are given below. Choose the correct arrangement:

- rolling, static, sliding
- rolling, sliding, static
- static, sliding, rolling
- sliding, static, rolling

Q.3. Alida runs her toy car on a dry marble floor, wet marble floor, newspaper and towel spread on the floor. The force of friction acting on the car on different surfaces in increasing order will be

- wet marble floor, dry marble floor, newspaper, towel.
- newspaper, towel, dry marble floor, wet marble floor.
- towel, newspaper, dry marble floor, wet marble floor.
- wet marble floor, dry marble floor, towel, newspaper.

Q.4. Suppose your writing desk is tilted a little, a book kept on it starts sliding down. Show the direction of frictional force acting on it

Q.5. You spill a bucket of soapy water on a marble floor accidentally. Would it make it easier or more difficult for you on the floor? Why?

Q.6. Explain why sportsmen use shoes with spikes.

Q.7. Iqbal has to push a lighter box and Seema has to push a similar heavier box on the same floor. Who will have to apply a larger force and why?

Q.8. Explain why sliding friction is less than static friction.

Q.9. Give examples to show that friction is both a friend and a foe.

Q.10. Explain why objects moving in fluids must have special shapes.