





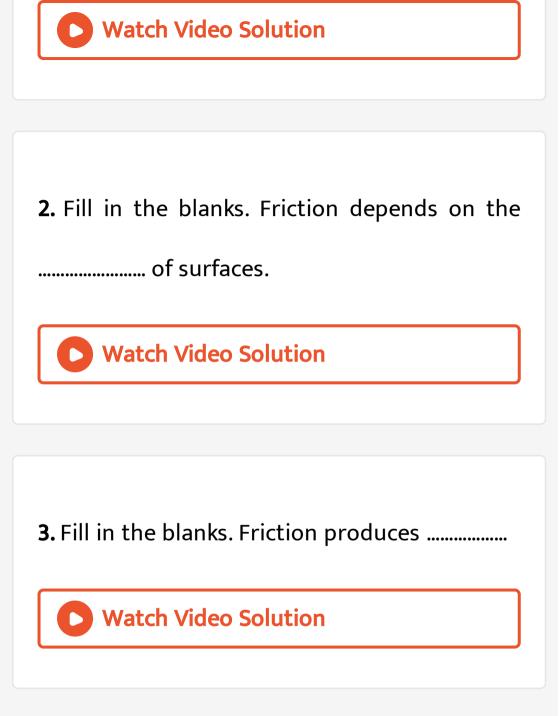
## **PHYSICS**

## **BOOKS - PSEB**

## FRICTION



**1.** Fill in the blanks. Friction opposes the ..... between the surface in contact with each other.



4. Fill in the blanks. Sliding friction is .....

than the static friction.

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5. 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 .

A. rolling, static , sliding

B. rolling, sliding, static

C. static, sliding, roling.

D. sliding, static, rolling

## **Answer:**



6. 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 surfaced in increasing order will be? floor, newspaper and towel

B. newspaper, towel , dry marble floor, wet

marble floor

C. towel ,newspaper,dry marble floor ,wet

marble floor

D. wet marble floor, dry marble floor, towel,

newspaper

Answer:

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**7.** Suppose your writing desk is tiltrd a little .A book kept on it starts sliding down. Show the direction of frictional force acting on it.

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8. You spill a bucket of soapy water on a marble floor accidently.Would it make it easier or more difficult for you to walk on the floor ? Why ?





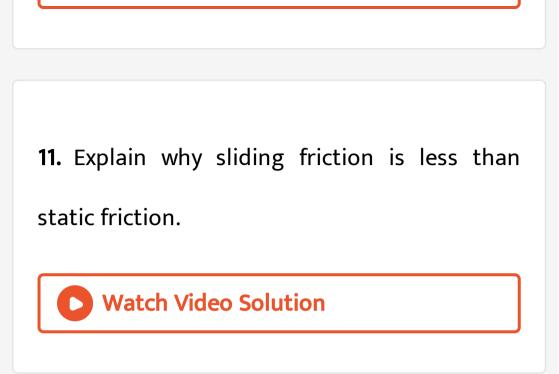
9. Explain why sportsmen use shoes with

spikes.

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





12. Give examples to show that friction is both

a friend and a foe.

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13. Explain why objects moving in fluids must

have special shapes.

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