



PHYSICS

NCERT - NCERT Physics(Hinglish)

FRICTION

Exercise Fill In The Blank

1. (A) : Force of friction applied by ground on the wheels of a bicycle is always in the direction of motion of the bicycle . (R) : Force of friction always opposes the relative motion between the surfaces in contact. Watch Video Solution **2.** Friction depends on the ______ of surfaces. Watch Video Solution **3.** Friction produces

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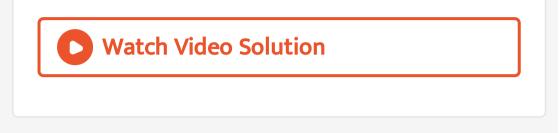
4. Sprinkling of powder on the carrom board.

__ friction



5. Assertion: It is difficult to move a heavy box by sliding whereas it becomes easier to move the same box when rollers are placed under it. Reason: $F_{
m rolling} < F_{
m sliding} < F_{
m limitting static}$ (Rolling friction It Sliding friction It limmiting

static friction.





1. Four children were asked to arrange forces due to rolling, static and sliding friction in a dreasing order. The correct arrangement is :

A. rolling, static, sliding

B. rolling, sliding, static

C. static, sliding, rolling

D. sliding, static, rolling

Answer: C

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2. Alida runs her toy car on 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 orderwill be

A. wet marble floor, dry marble 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





3. 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.

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4. You spill bucket of soapy water on a marble

floor accidently. Would it make easier or more

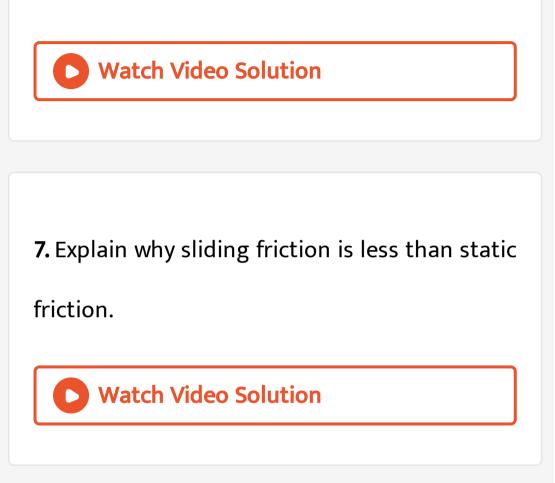
difficult for you walk on the floor ? Why ?

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5. Explain why sportsmen use s spikes.	hoes with
Watch Video Solution	

6. 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?



8. Give examples to show that friction is both a

friend and a foe.

