

H.W

B. Short/Long Answer questions

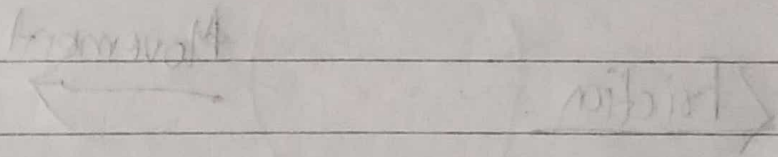
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13- What do you understand by the term friction.

Ans - Friction is that force which opposes the relative motion between the two surfaces that in contact with each other.

14- Give an example to illustrate the existence of force of friction.

Ans - If we stop paddling our bicycle, it gradually slows down and ultimately it stops after travelling a certain distance. This is due to frictional force between bicycle and ground.



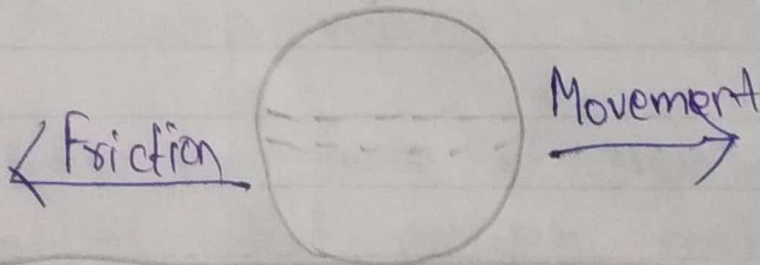
Extra Question

Q1- List the effects of friction.

- Friction opposes motion.
- Friction always act in a direction opposite to the direction of motion.
- It produces heat.
- Friction caused wears and tears.

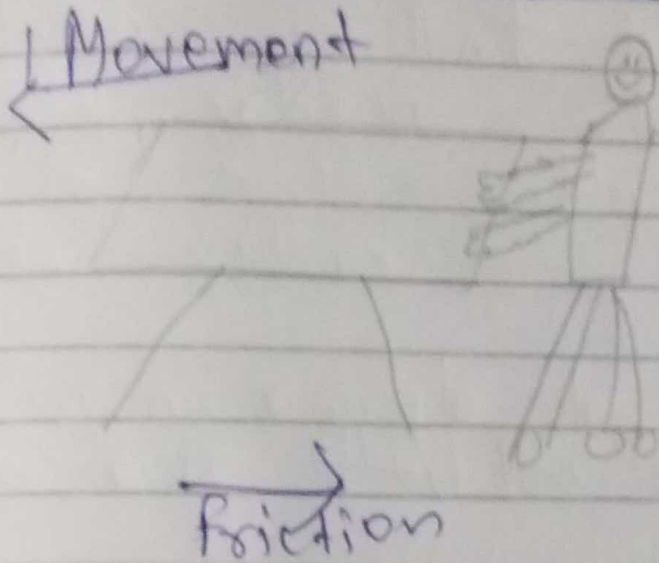
Q2- Explain with an example how friction opposes motion?

Ans- If we roll a ball on ground, it automatically slows down because the force of friction between the ball and ground opposes the motion of the ball and brings it to stop.



Q3- "Friction always acts in a direction opposite to the direction of motion" Explain with the help of an example.

If we want to move a table towards left, the friction acts towards right and If we want to move right, the friction acts towards left.



Q3 - How can you prove friction produces heat?

Ans - The lighting of a match stick by rubbing it on a rough surface, is ~~also~~ due to friction.

