

causes the object to ~~stop~~ stop moving.

2) Static - The force of resistance on an object that prevents motion.

Q List the effects of friction.

ans - Effects of friction are:-

i) Friction opposes motion

ii) Friction produces heat

iii) Friction causes wear and tear.

iv) Friction always acts in a direction opposite to the direction of motion.

Q Explain with example how friction opposes motion.

ans - when we roll a ball on ground, it gradually slow down after travelling a certain distance it stop because the force of friction between the ball and the ground opposes the motion of the ball and brings it to stop.

Q Friction always acts in a direction opposite to the direction of motion? Justify this statement

by giving an example.

ans- When we move the box to the right, the friction acts towards the left and if we move the box to the left, the friction acts ~~to~~ towards the right. This shows that friction always acts in a direction opposite to the direction of motion.

Q) How can you prove friction produces heat?

ans- When we rub our palms, they ~~become~~ become warm because friction produces heat.

Q. What do you understand by the term friction?

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

Q Give an example to illustrate the existence of force of friction.

ans- If we stop paddling our bicycle, it gradually slows down and then stop after travelling a certain distance. This happens because of the frictional ~~of~~ between force between bicycle and ground.

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