

Exercise - B force

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Date _____

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Q13) What do you understand by the term friction?

Ans \Rightarrow The force which opposes the relative motion between the two surfaces that are in contact with each other is called friction.

Q4) Give an example to illustrate the existence of friction?

Ans \Rightarrow If we stop paddling our bicycle, it gradually slows down and ultimately stops after moving for a few seconds, this happens due to frictional force between the bicycle tyres and the ground.

Q) How can you provide friction produces heat? Give an example? Give an example.

Ans \Rightarrow It is our common experience that if we rub our hands together they become warm. Similarly it is due to friction that the moving parts of a machine get warm (or heated). In ancient days, people used to produce fire by rubbing two stones against each other. The lighter of a match stick by rubbing it on a rough surface, is also due to friction. Thus, friction produces heat.

Q) Explain with example how friction opposes motion.

Ans => This means that there is some opposing force between the box not to move. This opposing force is called the force of friction. This happens because now the force applied has the force of friction.