

# **WELCOME TO THE ONLINE CLASS**

**SESSION NO.: 1**

**CLASS: 5**

**SUBJECT: SCIENCE**

**CHAPTER NUMBER: 11**

**CHAPTER NAME: FORCE AND ENERGY**

**TOPIC: REVISION-1 CHOOSE THE CORRECT ANSWER, ANSWER  
THE FOLLOWING QUESTIONS**

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**CHANGING YOUR TOMORROW**

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# LEARNING OBJECTIVE

**To enable the learner to:**

- revise the topics.

# A. Choose the correct answer.

1. Which of the following is an example of kinetic energy?
  - a. A boy is sleeping.
  - b. A fan is off.
  - c. A bike is moving.
  - d. A girl watching television.
2. Slide is an example of \_\_\_\_\_.
  - a. Wedge
  - b. Inclined plane
  - c. Wheel and axle
  - d. Pulley
3. Which form of energy does the water in a dam have?
  - a. Gravitational energy
  - b. Electrical energy
4. Which type of simple machine would the cap of the bottle be?
  - a. Screw
  - b. Wedge
  - c. Pulley
  - d. Wheel and axle
5. Which force stops us from slipping when we walk?
  - a. Frictional force
  - b. Elastic force
  - c. Buoyant force
  - d. Mechanical force

## B. Answer the following questions.

1. Define simple machines.
2. On what basis are levers classified?
3. You need to be more careful when you cycle down a hill than when you cycle up the hill. Why?
4. What will happen if on a see-saw, one child gets up suddenly? Why?
5. Mention all the effects of force.

# TIME FOR ANSWERS



# A. Choose the correct answer.

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## B. Answer the following questions.

1. Define simple machines.

**Ans:** Tools that make our work easier and faster are called simple machines.

2. On what basis are levers classified?

**Ans:** Levers can be classified according to the position of the fulcrum, the load and the effort.

- When the fulcrum is in between the load and the effort, it is a first-class lever.
- When the load is in between the fulcrum and the effort, it is called a second-class lever.
- When the effort is in between the fulcrum and the load, it is a third-class lever.

## B. Answer the following questions.

3. You need to be more careful when you cycle down a hill than when you cycle up the hill. Why?

**Ans:** When we go down the hill speed of the cycle increases due to gravity so we must be very careful when we go down a hill than when we go up the hill.

4. What will happen if on a see-saw, one child gets up suddenly? Why?

**Ans:** If a child gets up suddenly on a seesaw and at the same time other side of the seesaw will give fall off to the ground because the weight of both the children were balanced and when one gets up the weight gets unbalanced and that's why the other side will give a drop.

## B. Answer the following questions.

5. Mention all the effects of force.

**Ans:** The effects of force are:

- Force can move a stationary object.
- Force can stop a moving object.
- Force can change the direction of a moving object.
- Force can change the speed of a moving object.
- Force can change the shape and size of an object.

# HOMEWORK

- Learn Ch- 6 & 10.

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**THANKING YOU**  
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