

WELCOME TO THE ONLINE CLASS

SESSION NO: 5

CLASS: 4

SUBJECT: SCIENCE

CHAPTER NUMBER: 10

CHAPTER NAME: FORCE, WORK AND ENERGY

SUB TOPIC: REVISION-4, DO AS DIRECTED, ANSWER THE FOLLOWING QUESTIONS

CHANGING YOUR TOMORROW

LEARNING OBJECTIVE

To enable the learner to:

- **recall the previous concept**

REVISION -4 DO AS DIRECTED

1. If the ball is thrown up, _____ pulls it down. [Fill in the blank]
2. Scissors and bottle- openers are example of pulley. [Correct the underlined word and rewrite the sentence]
3. A bicycle pedal/ nutcracker/ wedge is an example of wheel and axle. [Choose the correct answer]
4. Energy is the ability to do the work. [True/ False]
5. Energy from the sun: _____::Energy from hot interior of the earth:
Geothermal Energy [Complete the series]

ANSWER THE FOLLOWING QUESTIONS

Q1. List any five different sources of energy.

Q2. What is gravitational force? Give an example to illustrate it.

Q3. Write short note on atomic energy.

Q4. What do you understand by simple machine? Why a wheel cannot be used as machine without an axle?



ANSWER

REVISION -4 DO AS DIRECTED

1. If the ball is thrown up, gravity pulls it down. [Fill in the blank]
2. Scissors and bottle- openers are example of pulley. [Correct the underlined word and rewrite the sentence]

Ans: Scissors and bottle- openers are example of lever.

3. A bicycle pedal/ nutcracker/ wedge is an example of wheel and axle. [Choose the correct answer] bicycle pedal
4. Energy is the ability to do the work. [True/ False] True
5. Energy from the sun: Solar energy ::Energy from hot interior of the earth:
Geothermal Energy [Complete the series]

ANSWER THE FOLLOWING QUESTIONS

Q1. List any five different sources of energy.

Ans: Five different sources of energy are Sun, hot interior of the earth, atoms, wind and water .

Q2. What is gravitational force? Give an example to illustrate it.

Ans: The force by which the earth pulls an object towards it is called gravitational force.

Example - Leaves and fruits fall from a tree downwards, towards the ground due to the gravitational pull.

ANSWER THE FOLLOWING QUESTIONS

Q3. Write short note on atomic energy.

Ans: An atom is the smallest particle of matter.

- **Atomic energy comes from the splitting of an atom.**
- **Atomic energy is used for producing electricity.**

However, weapons like atom bombs, which can kill lakhs of people, have also been made and used.

ANSWER THE FOLLOWING QUESTIONS

Q4. What do you understand by simple machine? Why a wheel cannot be used as machine without an axle?

Ans: Simple machines are tools which is used to do some work with less effort.

- A piece of a rod passing through the center of a wheel is called as axle.**
- The axle supports the wheel and allows the wheel to turn into same axis.**

HOMEWORK

- **Learn Ch- 10 & 12**

LEARNING OUTCOME

The learner will be able to :

- **recall the previous concept**

THANKING YOU
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