

STD-IV SCIENCE

ANNUAL REVISION WORK - 2

I. CHOOSE THE CORRECT ANSWER

1. A moving body slows down or stops on its own due to its force.
a. Gravitational b. Elastic c. Mechanical d. Frictional
2. This is used to open lids
a. pulley b. lever c. wheel and axle d. Inclined plane
3. A _____ is an example of wheel and axle.
a. Bicycle pedal b. Nutcracker c. wedge d. slide

II. FILL IN THE BLANKS

1. A small child lifts up a heavier child on a see-saw which is also a type of _____.
2. A screw looks like a _____ with grooves cut into it.
3. Work done = Force applied on an object x _____
4. _____ energy comes from hot interior of the earth.
5. In electrical motors electrical energy is changed into _____ energy.

III. Rewrite the sentences by correcting the underlined words.

6. Air can be applied to push or pull something.
7. Energy is the ability to do exercise.
8. A pulley is made up of a wheel and an axle, it is used to lift things easily.
9. Electrical machines help us to do our work faster and with less effort.

III. ANSWER THE FOLLOWING QUESTIONS:

10. Write a short note on transformation of energy from one form to another.

CHANGING YOUR TOMORROW

11. List three ways how simple machines help us.

ANSWER KEY

II. CHOOSE THE CORRECT ANSWER

- A moving body slows down or stops on its own due to its force.
a. Gravitational b. Elastic c. Mechanical d. **Frictional**
- This is used to open lids
a. pulley b. **lever** c. wheel and axle d. Inclined plane
- A _____ is an example of wheel and axle.
a. **bicycle pedal** b. nutcracker c. wedge d. slide

II. FILL IN THE BLANKS

- A small child lifts up a heavier child on a see-saw which is also a type of **lever**.
- A screw looks like a **nail** with grooves cut into it.
- Work done = Force applied on an object x **Distance moved by the object**
- Geothermal** energy comes from the hot interior of the earth.
- In electrical motors electrical energy is changed into **mechanical** energy.

III. Rewrite the sentences by correcting the underlined words.

- Force** can be applied to push or pull something.
- Energy is the ability to do **work**.
- A pulley is made up of a wheel and a **rope**, it is used to lift things easily.
- Simple** machines help us to do our work faster and with less effort.

III. ANSWER THE FOLLOWING QUESTIONS:

12. Write a short note on transformation of energy from one form to another.

Ans: We use different forms of energy in our daily life. Energy can be changed from one form to another.

- a. When we beat a drum our muscular energy is changed into sound energy.**
- b. In loudspeaker sound energy changes to electrical energy then this electrical energy is changed into sound energy.**
- c. In electrical motors ,electrical energy is changed into mechanical energy.**

13. List three ways how simple machines help us.

Ans: Simple machines help us in many ways:

- To do our work faster and with less effort.**
- To change the direction of force used.**
- To do work with less force.**