

St. Thomas School, Dhurwa, Ranchi – 4.

Class: 5

Subject: SCIENCE

Chapter-9: Work and energy

Answers of exercise questions (Pg. 117-118)

1. Choose the correct answer.

- a. Coal
- b. Sound energy
- c. Electrical energy
- d. Heat energy
- e. We need to use them judiciously.

2. Fill in the blanks.

- a. Energy
- b. Light energy
- c. Non- renewable resources of energy
- d. Wind energy
- e. Solar energy

3. Match the following.

- a. Solar energy - Obtained from the sun
- b. Mechanical energy - Due to position or motion
- c. Sound energy - Produced by vibrating objects
- d. Chemical energy - Contained in fuels and foods
- e. Electrical energy - Run appliances

4. Short answer questions.

- a. Work is said to be done when a force applied on an object displaces it in the direction of the force itself.
- b. We get energy by eating food that are rich in carbohydrates and fats. Some examples of such food are cereals, sugar, bread etc.
- c. A fuel is a substance that is burnt to produce heat, e.g. wood, coal and LPG.
- d. Two uses of solar energy are
 - i. Green Plants use solar energy to make foods.
 - ii. Solar Energy is used to cook food, as in solar cookers.
- e. The energy possessed by water stored at a height behind a dam in a reservoir is mechanical energy. When this water is allowed to fall, it can rotate the turbine and produce electricity.

