

# Chapter 9: Work and Energy

## Worksheet 1

### 1. Fill in the blanks.

- (i) Wind energy farms are used for producing \_\_\_\_\_.
- (ii) We get hydroenergy from \_\_\_\_\_.
- (iii) A fan rotates by using \_\_\_\_\_ energy.
- (iv) Sound is produced by \_\_\_\_\_ in objects.
- (v) Natural gas is found in \_\_\_\_\_ wells.

### 2. Write T for true and F for false statement.

- (i) Butter is an energy-giving food.
- (ii) Coal took millions of years in its formation.
- (iii) Heat energy is also called thermal energy.
- (iv) Use of LED bulbs takes much electricity.
- (v) Sound is produced from light energy.

### 3. Write the energy we get in doing following activities.

- (i) Lighting a candle \_\_\_\_\_
- (ii) Rubbing the palms together during winters \_\_\_\_\_
- (iii) Switching 'ON' electric generator \_\_\_\_\_
- (iv) Beating a drum \_\_\_\_\_
- (v) Burning coal for cooking \_\_\_\_\_

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### Worksheet 2

#### 1. Give one word for the following.

- (i) Capacity of doing work
- (ii) Substances which give energy
- (iii) Energy obtained from water
- (iv) The gas supplied to houses through pipes
- (v) The energy which helps us to see objects

#### 2. Tick (✓) when work is done while Cross (X) when it is not.

- (i) Reading a book \_\_\_\_\_
- (ii) Playing cards \_\_\_\_\_
- (iii) A horse pulling a cart \_\_\_\_\_
- (iv) Kicking a ball \_\_\_\_\_
- (v) Climbing stairs \_\_\_\_\_

#### 3. Answer these questions.

- (i) When is work said to be done?
- (ii) Which energy sources will never be finished?
- (iii) Which forms of energies are produced during thunderstorms?
- (iv) Which type of food gives more energy?
- (v) Which type of energy do plants use for making their food?