



# SHREE VASISHTHA VIDHYALAYA

## Science Worksheet 2025-26



**Name :-**

## **Std.: IV -**

**Roll No. :-**

## **Worksheet No. CA- 06**

**Date :-**

Ch. 11-Energy Ch.12- The Sun and the Weather

### **Q. 1 Choose the correct option.**

## Q. 2 Fill in the blanks.

1. An \_\_\_\_\_ is the smallest particle of an element.
2. The \_\_\_\_\_ causes difference in temperature and changes in weather.
3. A thick layer of air that surrounds the Earth is called \_\_\_\_\_.
4. \_\_\_\_\_ is the hottest time of the day.
5. Hail, snow, fog, dew and frost are caused due to the \_\_\_\_\_ and \_\_\_\_\_ of water.

**Q. 3 State whether the given statement is True or False.**

1. Cold air is lighter than hot air. \_\_\_\_\_
2. When air blows from land to sea during the night, it is called land breeze. \_\_\_\_\_
3. Plants use atomic energy to make food. \_\_\_\_\_
4. Wind energy is used to rotate the blades of a windmill. \_\_\_\_\_
5. Solar energy can be produced by burning fuels like coal. \_\_\_\_\_

**Q. 4 Match the following.**

| Column-A                              | Column-B          | Ans.      |
|---------------------------------------|-------------------|-----------|
| 1. Solar energy                       | a. wind energy    | 1.- _____ |
| 2. Moving air                         | b. ball of ice    | 2.- _____ |
| 3. Electrical energy                  | c. photosynthesis | 3.- _____ |
| 4. Changes of water into water vapour | d. generators     | 4.- _____ |
| 5. Hail                               | e. evaporation    | 5.- _____ |

### **Q. 5 Correct the given false statements.**

1. The coal and oil are the sources which will last forever.

## 2. The wood is an ultimate source of energy.

3. Water evaporates faster when there is no wind.

5. Days are shorter in summers than winters.

#### Q. 6 Give one word for the following.

1. Condition of atmosphere at a particular time and place- \_\_\_\_\_
2. Tiny droplets of condensed water on the ground- \_\_\_\_\_
3. Amount of water vapour present in air- \_\_\_\_\_
4. A form of energy that comes from splitting of an atom- \_\_\_\_\_

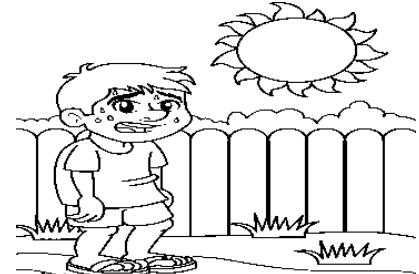
#### Q.7 Picture based questions.

1. What type of weather is shown in the picture?

Ans. \_\_\_\_\_.

2. What type of clothes will you wear in this weather?

Ans. \_\_\_\_\_.



#### Q.8 Identify the pictures.



#### Q.9 Think and answer.

1. What happens when air gets heated by the sun.

\_\_\_\_\_

2. Solar energy is better than energy from coal.

\_\_\_\_\_

#### Q.9 Read the following and answer the following questions-

Energy is the ability to do work. We need energy to move, play, study, and do all our daily activities. The Sun is the main source of energy on Earth. It gives us heat and light energy. Food gives energy to our body so that we can work and stay healthy. Electricity is a useful form of energy that helps us run fans, lights, televisions, and other machines. We should save energy by switching off lights and fans when not in use.

1. Why do we need energy in our daily life?

\_\_\_\_\_

2. Name two forms of energy we get from the Sun.

\_\_\_\_\_

3. How can we save energy?

\_\_\_\_\_