



SHREE VASISHTHA VIDHYALAYA

Science Worksheet 2025-26



Name :- _____

Std.:- IV - _____

Roll No. :- _____

Answer key Worksheet No. CA- 06 Date :- _____

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

Q. 1 Choose the correct option.

- Which of the following produces sound energy?
a) bulb b) music system✓ c) electric iron
- Which of these is **NOT** a source of heat energy?
a) coal b) wind✓ c) Sun
- Sea breeze blows during _____.
a) day✓ b) night c) evening
- Water vapour that passes through very cold air, freezes into _____.
a) snowflakes✓ b) fog c) hail
- The surface of Earth is made up of _____ parts of water and only _____ part of land.
a) one, three b) three, one ✓ c) one, four

Q. 2 Fill in the blanks.

- An atom is the smallest particle of an element.
- The sun causes difference in temperature and changes in weather.
- A thick layer of air that surrounds the Earth is called atmosphere.
- Noon is the hottest time of the day.
- Hail, snow, fog, dew and frost are caused due to the evaporation and Condensation of water.

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

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

Q. 4 Match the following.

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

Q. 5 Correct the given false statements.

- The coal and oil are the sources which will may last forever.
The sun and wind are the sources which will may last forever.
- The wood is an ultimate source of energy.
The sun is the ultimate source of energy.

3. Water evaporates faster when there is no wind.
Water evaporates slower when there is no wind.
4. Days are shorter in summers than winters.
Days are longer 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-

Weather

Dew

Humidity

Atomic energy

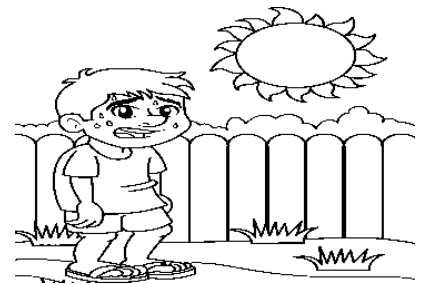
Q.7 Picture based questions.

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

Ans. Sunny.

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

Ans. Cotton clothes



Q.8 Identify the pictures.

1) 	2) 	3) 
Solar panel / Solar energy	Snowflakes /Snow fall	Hail stones

Q.9 Think and answer.

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

Ans. When air gets heated by the sun, it rises up.

2. Solar energy is better than energy from coal.

Ans. Because solar energy is pollution free and we can renew it.

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?

Ans. We need energy to move, play, study and do all our daily activities.

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

Ans. Heat energy and light energy.

3. How can we save energy?

Ans. We can save energy by switching off lights and fans when not in use.