

NEW ERA PUBLIC SCHOOL KATBAGHSOLVED ASSIGNMENT OF TERM-IInd, 2021

Topic: → THE EARTH AND THE SOLAR SYSTEM

CLASS: → 4th

Lesson no.: → 12

SUBJECT: → SCIENCE

(A) Answer the following questions.Q1 What is the solar system?

Ans The sun, the planets and their moons belong to a family of objects called the solar system.

Q2 What is rotation of the earth? How long does the earth take to complete one rotation?

Ans The spinning movement of the earth is called rotation of the earth. The earth completes one rotation in 24 hours.

Q3 What is revolution of the earth? How long does the earth take to complete one revolution?

Ans The movement of the earth around the sun in a fixed path is called the revolution of the earth. The earth completes one revolution in about 365 days or 1 year.

Q4 What causes the seasons?

Ans The revolution of the earth and its tilted axis of rotation cause the seasons.

(A) Multiple choice questions.

1. Which of these give out their own light?

a) stars b) planets c) moons d, all of these

Answers

2, a, Mercury 3, b, Core 4, c, axis 5, a, once

(B) Mark '✓' for true and 'X' for false statements

Answers

1, ✓ 2, ✓ 3, X 4, X 5, X

(C) Name the following.

Answers

1, Mercury 2, Venus 3, Mars 4, Jupiter 5, Neptune.

(D) What are the following?

1, Mantle :- It is the portion of our planet that lies between the earth's crust and core.

2, Volcano :- It is a crack or hole in the earth's crust.

3, Magma :- It is hot molten rocks located under earth's surface.

4, Lava :- It is the hot molten fluid erupted from a volcano.

5, Equator :- It is an imaginary line which divides the earth into two halves.

Topic :- AIR, WATER AND WEATHER

Lesson no. :- 13

Answer the following questions:-

Q1 Why is it cooler in the evening than

in the afternoon?

Ans This is because during evening the sun is lower in the sky and the sunrays are slanting and do not heat up the earth so much.

Q2 What are these?

i) land breeze:- land breeze is a breeze blowing towards the sea from the land.

ii) Evaporation:- It is the process of changing solid into the liquid form.

iii) Dew:- It is the tiny drops of water.

iv) Frost:- It is a thin layer of ice on a solid surface.

Q3 Explain what causes the wind to blow.

Ans When the sun shines brightly, it heats up the land. This causes the air above it to also get heated up. Warm air is lighter than cold air, and so it rises up. Cool air rushes in to take its place. This causes the wind to blow.

Q4 Why does the wind blow from the sea to the land during the day?

Ans During the day, the land gets heated up more than the water in the sea. The air above the land is warmer. It rises up. Cool air from above the sea blows to take its place. Thus, the wind blows from the sea to the land during the day.

Q6 What causes the water in rivers and lakes to be polluted?

Ans The waste from our houses and factories is allowed to flow into rivers and lakes which causes rivers and lakes to be polluted.

(A) Multiple Choice questions

Answers

1. a, the sea to the land during the day.
2. d, pollution
3. d, fog.
4. c, well water
5. b, salty.

(B) Match the following

Answers

1. - d. the opposite of evaporation.
2. - c. millions of tiny water droplets
3. - a. water vapour frozen in clouds.
4. - e. water droplets frozen on their way down.
5. - b. cleaning polluted water.

(C) Mark '✓' for true and 'X' for false statements

Answers

1. ✓ 2. X 3. ✓ 4. ✓ 5. ✓

Topic :- OUR ENVIRONMENTLesson no. :- 14Answer the following questions.

Q1 What things make up your environment?

Ans Everything around us, both living and non-living makes up our environment.

Q2 In what ways have humans damaged their environment?

Ans Humans have damaged their environment in the following ways:-

1, They have cleared forests to build cities and farms. Trees bind the soil. Soil becomes loose when trees are cut and it can then be easily washed away by wind and rain - and cause soil erosion.

2, The waste from our homes and factories is thrown into rivers, seas and lakes or buried in land. This pollutes the water and soil, and damages the plants and animals living there.

Q3 What is the difference between biodegradable and non-biodegradable waste?

Ans Biodegradable waste

1, Biodegradable waste rots and mixes with the soil.

2, All food wastes, leaves

Non-biodegradable waste

1, Non-biodegradable waste do not rot.

2, Plastics, metal and

and paper are biodegradable glass are non-biodegradable

Q4 What is the advantage of recycling - paper?

Ans Recycling paper conserves natural resources, saves energy and also there will be less waste lying around.

Q5 Mention three steps that you can take to help save the environment.

Ans The three steps that we can take to help save the environment are given below:-

- 1., Plant more trees. They help to clean the air.
- 2., Travel short distances on foot or on a bicycle and save fuel.
- 3., Do not waste anything. Mend, reuse and recycle whatever we can.

(A) Multiple choice questions.

Answers

- 1., d, all of these
- 2., d, the cutting of trees
- 3., b, air pollution
- 4., c, plastic bag.
- 5., c, use plastic bags.

(B) Give one word for the following:

Answers.

- 1, Environment 2, Pollution 3, Soil erosion
 4, Non-biodegradable 5, Recycling

(C) Fill in the blanks:-

Answers

- 1, Trees 2, air 3, acidic 4, sewage
 5, Compost.

YEARLY EXAMINATION

Page no. 24

Answer the following questions.

Q1 Give two examples of amphibians.

Ans Frogs and toads are the two examples of amphibians.

Q2 Name the process by which clouds are formed from water vapour.

Ans Condensation is the process by which clouds are formed from water-vapour.

Q3 How are aerial animals different from arboreal animals?

Ans Animals which spend a lot of time in air are called aerial animals while as animals which spend most of their time on trees are called arboreal animals.

Q4 How do animals prepare for hibernation in winter?

Ans Animals prepare for hibernation in winter

by eating extra food and storing it as body fat. They use this fat for energy while hibernating. Some also store food to eat later in the winter.

Q5 Describe three safety rules we should follow at school.

Ans The three safety rules we should follow at school are as follows:

1. Be careful on the stairs. Do not push anyone or run up and down.
2. Never climb on desks and chairs.
3. Do not throw things around in the classroom.

Q6 Imagine that the earth is not tilted. What effect would this have on seasons?

Ans If the earth weren't tilted on its axis, there would be no seasons and humanity would suffer.

Q7 How is dew different from frost?

Ans Dew occurs when the air temperature is above freezing while frost occurs when it is below freezing.

Q8 Sometimes traffic police on busy roads wear face masks. Why do they wear masks?

Ans Traffic police on busy roads wear face masks to save themselves from air-pollution.

PRACTICE THE CHAPTER WISE DIAGRAM ALONG WITH
LABELLING OF THE FOLLOWING

- 1.) The solar system. — Page no. 94
- 2.) The water-cycle. — Page no. 105
- 3.) Three BIODEgradable wastes — Page no. 114
- 4.) Three non-biodegradable wastes — Page no. 114

