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L.no 4 Environment Balance

Q1 Fill in the blanks

- ① The variety we see in all the living things that belong to a particular area is called biodiversity.
- ② Interactions between living and non living things.
- ③ For the existence of living it is important that Environment Balance is maintained.
- ④ Plants are the main support of every food chain.

Q2 True or false.

- ① Micro-organisms form a part of the environment. - True.

② It is necessary to maintain biodiversity.

- True.

③ A grasshopper eats birds. - false.

Q. 3. Name the following.

① factors in the environment?

Ans. Living things, air, water, Sunlight etc.

② The main support of all food chains?

Ans. Plants.

③ The cycle in the environment?

Ans. Water cycle, Carbon dioxide, oxygen

Q. 4 Answer the following.

① what is the a food chain? Give an example of it?

Ans. One living thing is depend on other living things for the purpose of feeding.

② Therefore they are interconnected with each other like in chain. This relation is called a food chain. Sunlight → Plants, caterpillar → Sparrow

④ what substances in the soil are useful for the growth of plants?

Ans. Plants → residue water animals and other substances in the soil for their growth.

⑤ The substances formed due to decomposition of dead and recycle plants and animal material are very useful for plant.

Ans. → humus

⑥ The substances help in the rapid growth of plants.

11. Our Home and Environment

Q) How is the balance in the environment maintained?

→ 3 These interactions maintained amongst living things and between living and between living and non-living things in nature.

2) The interactions go on continuously.

3) This helps to maintain the food chains in the environment.

Q) When the various cycles in the environment go on uninterrupted environment

② Solar energy is a non-exhaustible source of energy.

③ House made up of materials like Cement mainly seen in cities.

Q) Maths the following types of houses in India

1) Bricks - Soil

2) Cement - Limestone

3) Glass - Sand.

Q) Fill in the blanks
1) Homeless is a Social problem.

2) Natural resources are not
renewable & limited in nature.
3) Human beings are
destroying environment.

4) Examples of stone house
5) Natural resources are not
renewable & limited in nature.
6) Human beings are
destroying environment.

Q3 Answer the following

What are our basic needs?
Ans water, food, clothing's shelter are our basic needs

② what is our right?

Ans we all have right to clean potable water, sufficient food & safe shelter and education.

What is energy? do work is called energy.

Q4 what types of pollution does burning of fuel leads to?

Ans The burning of fuel leads to air pollution

⑤ where do homeless people seek shelter

Ans Homeless people seek shelter at road side on footpath, building in railway or bus stand and even on the open ground.

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Q) Which of the gadgets in the house can be run of solar energy?

→ 1) Solar water heater

2) Solar system lamp

3) Solar cooler

4) Solar watch

5) Solar fan

6) Solar calculator

Q) List all the eco-friendly things in your house

→ Minimum consumption of the natural resource

2) Use of non-exhaustible source of energy such as biogas, wind and solar energy.

3) Recycling of water

4) Recycling of your bags

Q) Avoid artificial material and artificial solar colour

Q) Prevention of natural light and

ben hitation in a house

* Q) Why are people homeless?
→ people are homeless because:-
1) Lack of affordable housing

2) Poverty

3) Natural disaster

4) Physical and mental disorders

5) Unemployment

6) Inadequate income

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12. food for all

Q) Maths the following:

1) grain - stored in a damp place - fungi

2) grain - stored in dark - prevents insect infestation

3) Adding proper chemical to the stored grain - prevents growth of fungus on grain

Question 3(b) to 3(d)

Q) Find and correct the incorrect statement

1) There is only one method of forming

→ incorrect

These are many methods of forming

~~Method 1: Involves the use of a mold or a string of~~

~~Method 2: Involves the use of a mold or a string of~~

2) India is an agricultural country.
→ Correct

- ③ Use of improved seeds does not lead to higher yield. → incorrect use of improved seeds lead to higher yield.
- Q8 Fill in the blanks.
- b) The season from June to October is called the Kharif Season.
- Q9 Answer the following:
- i) Which vegetables, fruits and grains do we get at the time of harvesting? → Vegetables → carrot → pear → radish → fruit → Apple, orange, sweet lime, grapes → rice → corn → basmati → mithi
- ii) Name leaves are mixed in grains. → which parts do we eat as food? → We eat, roots, fruit, flower and seeds.
- Q10 Farming that relies on natural organism material is called organic farming.

Q5 Answer the following

Q) What are the advantages of using improved seeds?

→ The advantages of improved seeds are as follows:-

① They can resist pest attack.

② Become ripe for harvesting in a short period of time

③ give a high yield even ~~when~~ ^{with} low water supply.

④ we get higher yield.

Q] What are the reasons due to which

② growing crops are damaged?

→ Drip irrigation and sprinkler irrigation are two modern types of irrigation.

① Helps to save water

② Roots of the plants get water

③ Land can be saline and following this method can be avoided

Q] Describe the 'drip' irrigation method?

→ The drip irrigation method uses the pipes with holes. This ensures that the required amount of water drips only near the plants. Thus, full use is made of the available water.

5] what causes the fertility of the soil to diminish?

- Fertilizers of the soil are diminished by following steps to be followed to avoid the damage to crops.

① modern methods of irrigation must be used.

② Seeds of the improved quality must be used.

③ Insecticides and pesticides must be sprayed on crops to avoid diseases.

- ④ proper amount of fertilizers should be used to enhance the growth of the plants.

6] what causes the fertility of the soil to diminish?

- The over use of chemicals fertilizers leads to accumulation of excessive chemicals in the soil.

② Over watering makes the land saline and follows.

7] what changes has modern technology brought about in the method of farming

→ Modern technology has brought about

the following:

- ① Use of improved seeds for better yield.
- ② Use of drip and sprinkle irrigation.
- ③ Use of organic fertilizers and manures.

8) what methods are used to preserve foodgrain?

→ method use to preserve the foodgrains are follows:

1) The grain is dried well in the sun and filled in the sack.

2) chemicals are sprayed at the place of storage.

3) Storage places are always kept dry and airy to prevent fungus formation.

Q) How is water made available for farming?

→ Crops grow well if they are watered at the right time.

2) water from rivers, lakes and well is used for irrigation in addition to rainwater.

Q6) Name the following.

1) Season for growing crops?
→ Kharif, rabbi, Summer.

2) Any four living things?
→ Bees, dog, cats, birds.

Q7) Define the following.

1) Organic - farming.
→ farming that relies on the natural material is called organic farming.

2) Summer crops
→ Crops grow from March to June are.

→ summer crops season from March to June one Sammer.

③ manure

Ans natural fertilizers are called as manures. They enriched materials added in nature like animal

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13 Methods of Preserving Food Items

Q4 Answer in brief
 Q5 What are the advantages of using improved seed?

Q2 Describe the drip irrigation method

Q3 How is water made available for family

Q4 what is energy

Q5 What are the reasons due to which growing crops are damaged?

→ Sugar, salt, vinegar mustard oil etc are preservative substance.
 → favourable factor for growth of micro organisms
 → water, moisture, warmth food warmth food.

Q5 Information printed on bags and boxes sealed
 → name of manufacturer date and expiry date
 → manufactured and expiry date.

Answer the following
Q. 1 What are different method of preserving food?

→ The different methods of preserving food are

① Drying ② Boiling
③ Preserving in a air tight can
④ Cooling

why do we make jams from fruits?

why do we avoid eating food that has got spoilt?

→ got spoiled?

→ Fruits cannot stay their natural

fast from micro-organisms made fungus grow

2) Micro-organisms made jams are made after

on them.

3) To preserv them jams are made after

the season.

3) why do we make jams from fruits?

→ why do we avoid eating food that has got spoilt?

→ a) growth of micro-organisms foul smell

encourage growth fungus on it b) spoiled food is not nutritious and is dangerous for our

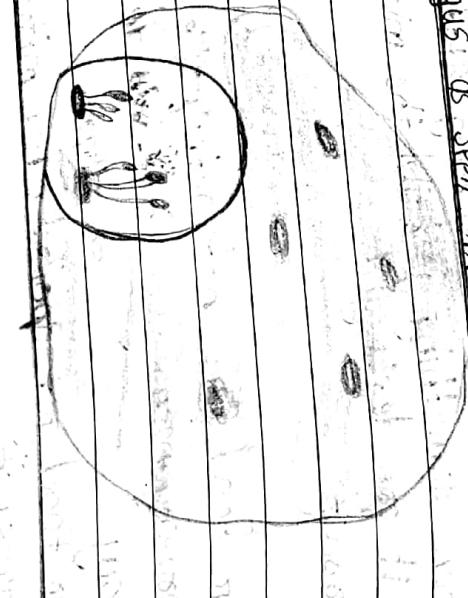
nutrition health.

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- D) Left over food prepared for a meal should be stored in refrigerator
 → left over food prepared for a meal should after something in order to keep it safe and the food does not get spoilt.

- Q) Find and correct wrong statements.
 When something is boiled the micro-organisms in it are destroyed
 → correct
- 2) our food does not get spoiled when micro-organism grows on it. → wrong
 our food get spoiled when micro-organisms grow on it.
- 3) Food stuffs dried in summer cannot be used for the rest of the year. → wrong
 Food stuffs dried in summer would be used for rest of the year.
- 4) Food stuffs get warm to put in a bridge
 → right

* fungus as seen through a microscope



Q1 True or false

1 We get rainwater throughout the year - False

2 During a famine the government moves people and animals temporarily to save place - True.

Q2 Fill type

1 Famine is a natural disaster

2 When water is stopped it percolates into soil

3 Water is life we must use water judiciously

Q3

Answer the following

What conditions prevail during a famine

→ The conditions that prevail during

Famine or draught are -
lack of water in different reservoir
[lakes, rivers] decreases and the land become dry

B) Humans and animals suffer from scarcity

of water

C) There is no water for agriculture

D) Domestic animals and peoples are asked to migrate

E) Fodder camps are set up for animals,

Q3

Why is it necessary to stop the rainwater infiltration by constructing

→ It is necessary to stop rain water

Q To meet the whole years need for water
B When water is stopped it percolate into soil

B In the ground water storage increases,
frees up water

Q wells get enough water which help in cultivation.

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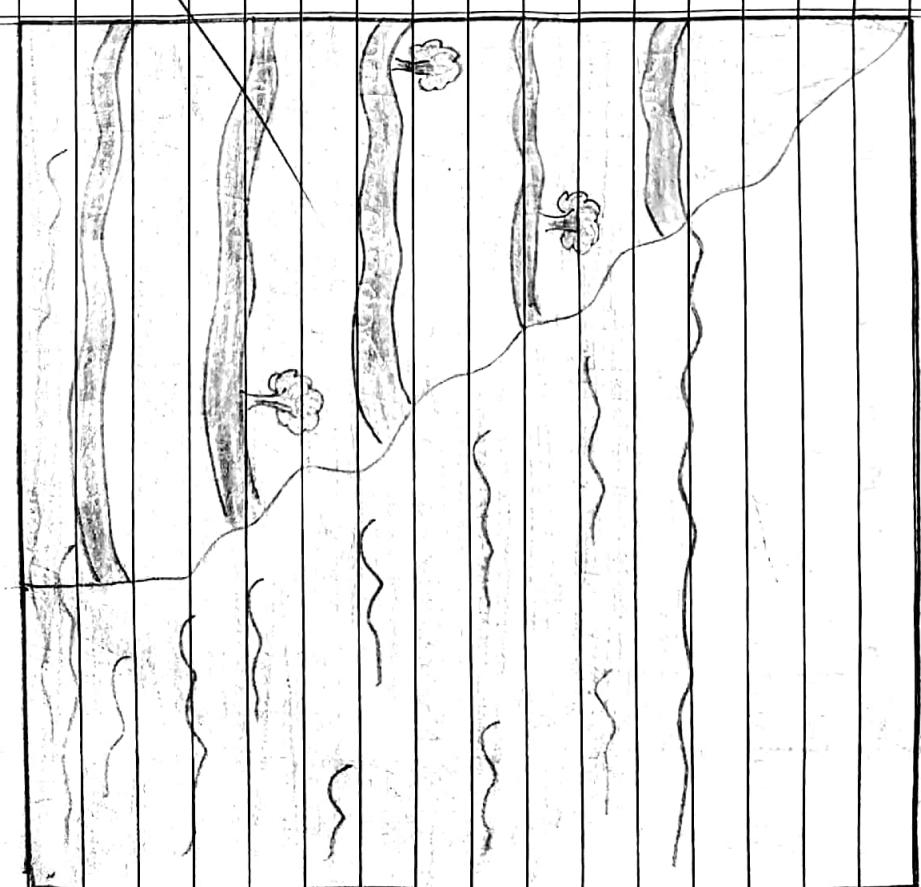
2]

Continuous contour trends.

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- 5] What is meant by water management?
 → Taking step to ensure that rainwater will be available even after rainy season in called water management.
- 6] Stopping or storing water or letting it to percolate into the ground are two methods of water management.

- * Draw a diagrams.
- 7] Purification of water. Pg 78



Q) Storing Rain water in tanks



18 The Environment and us.

Q1. True or False. Environmentalists friends. (D)

1) Dead plants and animals are abiotic.

2) Components in soil, rocks, air, water → True. Water, wind, sunlight, living organisms.

2) It is necessary to conserve biodiversity
→ True

3) Soil becomes fertile if pulleted wastes seeps into soil. (D)

→ False. (D) Pulleted wastes don't

4) India is a agricultural country.
→ True

5) Water evaporates continuously (D)
→ True. (D) Water evaporates continuously.

Q2 classify the following as natural or man made.

* Soil, Horse, stone, water hyacinth, book, pen

Sunlight, dolphin, chair, water, cotton, wool, table, trees, bricks.

Man-made

Natural

Soil, horse, stone, water hyacinth, sun light, dolphin, water, cotton wool, trees.

3 * fill in the blanks:

- 1] In forest are reduces, biodiversity are also depicted.

2) Marshy or low-lying area are filled to reclaim the land.

2) Indian cheetah is an extinct animal

water evaporates continuity.

Q4 Define the following

1] Sanctuaries - Forest areas which are important for the protection and conservation of particular animals or plants. Such areas are called as sanctuaries.

2) Biodiversity parks - An area which is reserved for the purpose of protection and conservation of a region are called biodiversity parks.

③ National park - Some places or area in which are important for the protection of conservation of wild life. It is reserved for them. They are called national park.

Q. 3) Cross out the wrong words when other substances get mixed the water become pure / impure

2) Spores / seeds / fungi are present in air

Q. 3) What is meant by migration? Ans When animals move temporarily or permanently from one place to another for feeding etc proceeding is called migration

3) Different species are obtained from plants, animals

Q. 3) Give two causes of air pollution? Ans. Causes of air pollution are as

b) Industries and factories burn fuel and it causes smoke and impure gas.

b) Pollutous gases which are given by vehicles causes pollution.

3) Trees are dried in sun / shade

- Q. 1) Food in which ~~plants/micro~~ organs are bad for health.
- Q. 2) Deccan is an example of forest animals.
- Q. 3) Maths the following.
- Q. 4) Moldok - Yerat In sion Bustad
- Q. 5) Natural resources - cotton wool
- Q. 6) chincholi-peacock
- Q. 7) Mayan - flamingo
- Q. 8) Preserve food - Drying
- Q. 9) natural - disaster - famine

Q. 1) Name the following.

1) The biggest maldhok sanctuary is asia is in which district.
→ Solapur.

2) The proportion of which gas dissolved in water reduced.

→ oxygen.

Q. 3) Define.

Q. 4) Water management - Taking steps to ensure that rainwater will available even after rainy season is called water management.

Q. 5) Answer the following.

Q. 6) What is done in water work?
→ Purification of water is done in water work.

Q 8

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2) who undertakes several work of

making water available even

after rainy season.

→ The government and the local

people undertake several work of making water available even

(after rainy season.)

3) what are the sanctuaries of

ancient times?

→ Devrai and Sharana are the sanctuaries of ancient time.

~~Give Reason~~

Due. Store food that we need for several day in our house

→ When we look food we need various provision which have to be bought from the market, we have to go again and again in a market to buy them. In order to avoid that, we store foods for several days.

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