

Subject:- Science

Class:- 5th

Topic:- Living things

Lesson no. 04

Solved Assignment of Unit-2nd (2021)

Q1 Mention three important characteristics that differentiate between a living thing and a non-living thing.

Ans The three important characteristics that differentiate a living thing and a non-living thing are given below:-

- 1, living things move on their own whereas non-living things do not move on their own.
- 2, living things need air, water and food to live whereas non-living things do not need these things.
- 3, living things reproduce whereas non-living things do not reproduce.

Q2 Give an example of an animal responding to change in its surroundings.

Ans A chameleon change its colour according to its mood.

Q3 While studying things, why do we group them?

Ans While studying things, we group them because grouping makes our study easier.

Q4 State four ways in which plants differ from animals.

Ans The following are the four ways in which plants differ from animals.

1, plants generally are rooted in one place and do not move on their own but animals have the ability to move freely.

2, plants can make their own food but animals cannot make their own food.

3, plants have either no or very basic ability to sense but animals have highly developed sensory system.

4, plants take in carbon-dioxide and give out oxygen but animals take in oxygen and give out carbon-dioxide.

(A) Multiple choice questions:

Answers

- 1, c, electricity 2, d, make their own food.
3, c, Amoeba 4, c, Stone.

(B) Unscramble the letters to form words. Then, fill in the blanks.

Answers:

1, air, water, food.

2, chlorophyll, sunlight, carbon-dioxide, photosynthesis.

3, reproduce.

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

Answers

1, X 2, ✓ 3, ✓ 4, ✓ 5, X

(D) Give an example for the following.

Answers.

1, Air 2, Mushrooms 3, Amoeba 4, touch-me-not.

Topic :- Plant life

Lesson no. 05

Q1 List three ways by which plants reproduce.

Ans Plants reproduce by producing seeds, spores, or from body parts such as stems, leaves or roots.

Q2 What are the conditions necessary for germination?

Ans The conditions necessary for germination include right temperature, water, oxygen and light.

Q3 Why is dispersal of seeds necessary?

Ans Dispersal of seeds is necessary because if the seeds are not dispersed, many germinating seedling will grow very close to the parent plant and they will not get enough space, air, water, mineral and sunlight.

Q4 Name three agents of dispersal. In each case, give an example of a plant whose seeds are dispersed by the agent.

Ans wind, water, and animal. Drumstick

seeds are dispersed by wind. Lotus plant seeds are dispersed by water and seeds of guavas are dispersed by animals.

Q5 Some seeds have hooks and spines on them. Why?

Ans They have spines or hooks to get attached to fur/coats of animals and get transported over long distances.

Q6 Why are crops important to us?

Ans Crops provide us with food and other useful things.

Q7 What is the difference between rabi and Kharif crops? Give two examples of each.

Ans Rabi crops

Kharif crops

1. Winter crops are called rabi crops.

1. Summer crops are called Kharif crops.

2. Cauliflower, apple etc are the examples of rabi crops.

2. Onion, Tomato etc are the examples of Kharif crops.

(A) Multiple Choice Questions

Answers

1. d, Strawberry

2. c, seed coat

3. c, maple

4. c, maize.

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

Answers

1, x 2, ✓ 3, x 4, ✓ 5, ✓

(C) Give one word for the following

Answers

1, Bud 2, Germination 3, seedling 4, Dispersal
5, Rabi crops

Topic:- Animal life

Lesson no. 06

Q1 Why do herbivores and carnivores have different types of teeth?

Ans The herbivores and the carnivores have different types of teeth to suit the type of food they eat. Herbivores have teeth which are shaped to squash and grind plants. Carnivores have teeth which are shaped to tear and chew the meat they eat.

Q2 Why is breathing necessary?

Ans Breathing is necessary for two reasons,

- 1, It supplies our bodies and its various organs with oxygen, which is vital for our survival.
- 2, We also get rid of waste products and toxins from the body.

Q3 Describe how air reaches inside the

body of an insect.

Ans Insects breathe through tiny holes called spiracles. During respiration, the oxygen rich air enter in the body through spiracles and reaches to all parts of the body through small tubes called breathing tubes.

Q4 How do fish breathe under water?

Ans Fish that live in water breathe the air dissolved in water. They have gills instead of lungs. They take in water through their mouth. As the water passes over the gills, the dissolved oxygen is taken in, and carbon-dioxide is given out.

Q5 Snakes do not have legs. How do they move?

Ans Snakes move by curving and straightening its body.

Q6 How are fins useful to a fish?

Ans Fishes have three types of fins that are used to balance, change direction and stop. Some fish also use their fins like oars to push the water to move forward.

Q7 What is migration? Explain with an example.

Ans The seasonal movement of animals from one region to another is called migration. For e.g. Monarch butterflies fly from Canada to Mexico during winter and back during summer.

(A) Multiple choice questions:-Answers

1, b, Scales 2, horse 3, a, gills 4, c, hindlimbs
5, d, flippers.

(B) Give one word for the following:-Answers.

1, Scales 2, Herbivores 3, Carnivores 4, gills
5, migration

(C) Unscramble the letters to form words. Then, fill in the blanksAnswers.

1, Shell 2, Mammals 3, omnivore 4, lungs, skin
5, spiracles

Periodic Test - 1

Q1 What is a balanced diet?

Ans A diet that contains the right amounts of all nutrients, as well as water and roughage is called a balanced diet.

Q2 Give an example of a living thing that has only one cell.

Ans Amoeba is an example of a living thing that has only one cell.

Q3 How are Igneous rocks formed?

Ans Igneous rocks are formed when magma cools either below or above the surface of the earth.

Q4 What will happen to the soil if you

water the plants in the garden with lots of water from a garden hose? How can you stop this from happening?

Ans Too much water in the soil cause oxygen deficiency, resulting in damage to the root system. we can stop this by thoroughly moisten the soil at each watering and then allow plants to extract most of the available water from the soil before watering again.

Q5 your parents have asked you not to eat street food. So you do not eat any food from street stalls.

i, Why do you think your parents have asked you not to eat street food?

ii, What values do you show?

Ans The reasons is that the street food is not properly covered and also it contains bad ingredients.

ii, we want to show that the street food is unhealthy and makes us ill.

Q7 Scientists discovered many fossils in the sedimentary rocks in a place. Which fossils do you think will be older - those in the top layers or those in the bottom layers? Why?

Ans The oldest layer of fossils are on the bottom because fossils are once-living rock, in which the shape or form of the organism can still be seen.

Q8 What is Weathering of rocks? In What Way

is it useful to us?

Ans The process of breaking down of bigger rocks into smaller rocks by some factors such as sunlight etc is called weathering of rocks.

Weathering breaks down the initial mass into smaller fragments. Thus preparing the rock material for the formation of soil.

Q9 State three ways in which plants are different from animals.

Ans The following are the four ways in which plants differ from animals.

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2, Plants can make their own food but animals cannot make their own food.

3, Plants have either no or very basic ability to sense but animals have highly developed sensory system.

4, Plants take in carbon-dioxide and give out oxygen but animals take in oxygen and give out carbon dioxide.

Q10 During the day, plants take in carbon-dioxide and give out oxygen. But plants also take in oxygen and give out carbon-dioxide all the time. How do you explain that?

Ans During day respiration and photosynthesis

both process take place simultaneously. Photosynthesis take place only during day but respiration take place all time. The part of oxygen released during photosynthesis is used by plant in respiration and thus a relative amount of oxygen is greater. The part of carbon-dioxide released during respiration is used by plant during photosynthesis so on an average during day oxygen is given out by plant and carbon-dioxide is taken by plant but at night only respiration takes place, so carbon dioxide is given out and oxygen is taken.

