

## JASWANT MODERN SR. SEC.SCHOOL SUMMER HOLIDAY HOMEWORK(2025-26) CLASS-IV SUB- SCIENCE SET-A

(Note:Do this work in separate thin notebook)

**Q1.** Define the following :

- (a)Chlorophyll (b) Photosynthesis (c) Stomata (d)Veins (f)Starch (g). insectivorous plants  
(h) leaf apex (i) midrib (j) Leaf stalk (k) Side vein (l) Germination (m) Stamen  
(n)Vanamahotsava (o)Reproduction (p) Mammals (q) Digestion (r).Embryo. (s).Nutrients  
(t). Fats (u)Preservation. (v)Starch (w)Photosynthesis (x).Atmosphere

**Q 2.** Answer the following questions

**1** How do stomata help a leaf? Explain **2** What is photosynthesis? **3** What is a food chain ? Explain giving examples. **4** How does chlorophyll help in photosynthesis? **5** What is the function of veins in a leaf? **6**.Write the uses of honey. ? **7**.Write functions of skeletal system. **8** How many legs does an ant have ? **9**. Why is the balance in nature is important? **10** Explain the parts of leaf with the help of diagram. **11** Why do we celebrate Vanamahotsava? **12** What are the small pores in a leaf called? **13**.Which part of sugarcane plant is rich in sugar? **14** What is albumen ? **15**. What is moulting? **16** Why mammals are warm blooded animals? **17** Draw the structure of an egg . **18**. Name any two mammals. **19** Write the important features of important. **20** From where do plants get Carbon dioxide to make food? **21**.What is the function of a leaf? **22** State two ways by which the animals reproduce their own kind. **23**. What re the four stages of the life cycle of butterfly. **24** What are insectivorous plants .Give examples. **25** What is Interdependence? **26** Give the different functions of a leaf. **27**.Write any 5 good eating habits. . **28**.How do bees help us ? What do they make? W rite the uses of the product. **28**.What are edible roots and edible shoots. Give two examples of each. **30**.Why do you think honeybees come to the flowers? **31**.What kind of eatables attract ants? **32**.Explain "Girl Star Project" **33**.What is the role of workerbees? **34**.Why do children wear uniform for school? **35**.Write first aid for bee sting **44**.Write uses of honey in your house. **36**.Name some insects live in group. **37**.What do we call the liquid found in flowers .

**Q3.** Give one word for the following

- (A) Animals who are in danger. (B) Festival of tree plantation (C) White part of an egg (D) yellow part of an egg (E) A gas which I the product of photosynthesis (F) A plant start its life as a (G ) Lettuce is an edible (H) Leaves are green in colour due to (I) Plants give us. (J) During photosynthesis plants produce\_ (K) Plants and animals depend on each other for their (L) Animals that lay eggs are called (M) It has fan like ears. (N)We use it as a sweetener at home. (O) Chlorophyll gives it to the plant. (P)Animals breathe out (Q) The flat part of a leaf is called (R)Egg laying animals are also called (S)Albumen is rich in. (T)The larvalstage of butterfly is called (U) largest mammal. (V) Bean shaped structure that surrounds the stomata is (W).Nourishing substances. (X).Outermost layer of tooth

**Q4.** State whether the statements are true or false and correct the false statements.

- 1** Leaves need light to make food. **2** Iodine changes the colour of a leaf containing starch to red. **3** In a food chain one organism is the food for another organism. **4** Animals do not depend on plants for food. **5** Honey is not good for our health. **6** It is important to maintain balance in nature. **7** RTE act is for adult education. **8** Stomata are present on the underside of the leaf **9** We eat root of some plants like carrot. **10** A leaf has only main vein **11** Young ones have feathers on their bodies to protect them. **12** Iodine changes the colour of a leaf containing starch to red. **13** Animals do not depend on plants for food. **14** In a food chain one organism is the food for another organism. **15** The part of a leaf are left blade , Petroleum, midriff and veins. **16** Lizards reproduce by laying eggs.. **17** The eggs produced by all the birds have the same kind of internal structure. **18** Fish lay only one e in water at a time. **19** The young ones that hatch from eggs of frogs are called pupa. **20** Wrigley is the larval form of a mosquito. **21** Young birds have feathers on their bodies to protect them. **22** The cat lays eggs as the birds do. **23**. The shape of ears of all the animals are same. **24** Few animals have hidden ears. **25** We eat roots of some plants like carrot.

**Q5**Name the following

- |   |  |
|---|--|
| 1.The material used for starch test         | 2 Which part of sugarcane plant is rich in sugar |
| 3 An animal with ears like leaves           | 4 An animal with ears on both sides of its head  |
| 5 An animal with are on the top of its head | 6 The sound produced by honeybee-                |
| 7 An established which attract ants         | 8 A non green plant-                             |
| 9 A plant without leaves                    | 10 A festival of tree plantatlon                 |
| 11 Plants get this from the atmosphere      | 12 Animals get this from the plants-             |

**Q6**.Give reasons :

- (A) Most leaves are green in colour (B) Croton has dark, red leaves. Photosynthesis takes place in them (C) Mushrooms and moulds are non green plants (D) Interdependence of plants and animals (E) The leaves of a plant placed in a dark rom do not produce starch. (F) The green leaf is bleached before conducting the starch test. (G) What would happen if you take a potted plant and lock it up inside a dark room for one week? (H) Why is the upper part of l green leaves darker in colour than the underside of the leaves. (I) A dolphin lives in water but does not have gills like other fish. (J) Why the young ones of all animals loo like their parents. (K) We should not wash vegetables after cutting. (L) We should chew our food properly. (M) We should not overcook the food. (N) An athlete needs more carbohydrates than a person sitting in office. (O) We must drink more water in hot weather ,after exercise. (P) Boil milk before consuming it. (Q) An Ostrich cannot fly inspite of having wings. (R) Fish will die if taken out of the water. (S) Too much use of mobile is not good for us.

**Q7**. Give two examples of each

- |                        |                                     |                                   |   |
|------------------------|-------------------------------------|-----------------------------------|---|
| 1.Viviparous animals   | 2.Oviparous animals                 | 3. Non green plants               | 4. insectivorous plants                     |
| 5. Endangered animals  | 6. Fur bearing animals              | 7. Extinct animals                | 8.Decorative plants                         |
| 9. Mammals             | 10.Animal whose ears look like fans | 11.This plant do not have leaves. |   |
| 12.Plant with spines   | 13. A medicinal plant               | 14. A desert plant .              | 15.An insectivorous plant that trap insects |
| 16.Sources of fats.    | 17.Sources of proteins.             | 18.Sources of carbohydrates       |   |
| 19.Sources of vitamins |                                     |                                   |   |

**Q8**.Distinguish between

- (A) Terrestrial plants and aquatic plant (B) Oviparous and Viviparous animals (C) Herbivores and Carnivores (D) Sepals and Petals (E) Mammals and Reptiles (F) Aerial and Arboreal animals (G) Wild animals and Domestic animals (H) Reptiles and amphibians. (I) Drying and canning. (J) Proteins and fats (K) Dentine and incisors (L) Preservation of soil and preservation of food (M) Pickling and jellying (N) Terrestrial animals and aquatic animals (O) Leaf and Root

**Q9**.Explain with help of diagram:

- a.Life cycle of fish b.Structure of an egg c.Lifecycle of butterfly d.Life cycle of cockroach. e.Lifecycle of frog f.Show the energy flow in living things with the help of diagram.

**Q10**.Write full forms of

O<sub>2</sub> CO<sub>2</sub> H<sub>2</sub>O N<sub>2</sub> H<sub>2</sub> ISRO NASA

b.Write first for:

- a.A person is fainted b.In case of minor burn c.In case of heavy bleeding d.In case of chocking

**Q12**.Write safety rules we must follow:

- a.In school b.At home c.On the road d.In kitchen e.In case of gas leak  
f.In play ground

**Q13**.Give some examples of food stored in plants parts.

**Q14**.Write any 20 Science facts and learn.

**Q15**.Write an learn any poem on Science.

**Q16**.Write importance of science in our life.

## JASWANT MODERN SR. SEC.SCHOOL SUMMER HOLIDAY HOMEWORK(2025-26) CLASS-IV SUB- SCIENCE SET-B

(Note:Do this work in separate thin notebook)

**Q1.**Name any two:

1.Root 2. Stem 3.Leaf 4. Flower 5.Seed

**Q2.**What will happen if we cut down all the trees?

**Q3.** How do animals take care of their young?

**Q4.**Water is called universal solvent. This is because it can dissolve. Any different substances and can exist in all the three states.

a.Which form of water do you think is most useful?

b.How will you save this form

c.Make aware of the usefulness of three forms water

**Q5** Unscramble the words :

(1)IRBDIM (2)A FELLBADE (3)ALPNTS (4) NIAAMSL (5) CTCAUS (6)YNMHP  
(7)ALSMAMM (8)ORECPEURD (9).IDESIONT (10)ATFS (11) IVATIMN (12) EHAT  
(13)CBAETRIA (14)BAIKNGI (15)SLAITNG (16).IKML. (17)MLOUTNGI (18)EPRRODU  
TCINO. (19)GEG (20)ABLUENM (21)OYLK (22)CIHCK (23)EBMROY  
(24)E P A P R (25) E A R B (26)IMRAGTE (27)ERBH (28)SURHB (29)REEPCER  
(30) LIMCBRE (31)EERT (32)RWACL (33)AHIBTAT

**Q6.**Write functions of:

a.Root. b.stem. c.Leaves. d. Flowers. E. Fruit. F.Fats. g.Carbohydrates. h.Proteins. I.Vitamins.

**Q7.**What do you understand by 3Rs? Explain with examples.

**Q8.**Explain three ways you use technology in your daily life.

**Q9.**Read the first aid and guess the injury:

a.Turns off the source of electricity

b.Keep the area under cold running water.

c.Provide support using sling

d.Clean that part with water

**Q10.**Starch is formed in green leaves. Explain with the help of activity. Draw the related diagram also. How do plants use their food?

**Q11.**When do we celebrate these days? Write about each

a.Earth day b.Science day c.World Environment Day d.World Health Day e.World Water Day  
f.National Road Safety Week g.World Population Day h.National Yoga Day i.International  
Science Day J.National Energy Conservation Day k.World Food Day.

b.Fill in the blanks:

a.Air enters and leaves the plant through..... b.Photosynthesis is unique to.....

c.....produced during photosynthesis is released in the atmosphere. d.An eggshell is covered with  
as many as 17000 .....pores. e.The yolks contains less water and more ..... than the egg white.

f.Many ..... animals have long limbs that allow them to swing efficiently from branch to branch.

g..... shell looks like rocks when they tuck their head and legs inside. h..... can beat their  
wings together or separately. i..... Is the ability to blend into the surroundings. j.A

swimming fish will have a .....body to allow water to easily pass over it. k.Our body needs  
just a tiny bit of each .....mineral. l.Most.....foods contain a lot of sugar. M

.....involves soaking the food in a salt solution. n.Weshould always take.....diet. o.The non  
green plants get their food from..... p.The..... that is prepared in leaves is converted

into..... q.Plants that grow on land are called..... r. A ..... traps insects.

s.Two animals which lay their eggs in water are.....and ..... t.The eggs of lizards and snakes get their warmth from the..... u.Babies of cockroach and grasshopper are called..... v.....is the only mammal that can fly. W..... is the only mammal that can lay eggs. X..... is a flightless bird. Y.Fire extinguisher is used for..... z.An animal that escapes from its enemy by its swiftness and speed.

**Q13.Fun activity(based on adaptation)**

a.I live in water and on land both. b.I escape from my enemies because of the strips on my body. c.I protect myself because of my big size. d.I drink water from my trunk e.I live in the body of the host. f.I live on the body of the host. g.I can my body colour h.I look like a leaf i.I have quills on my back to protect myself from enemies. j.I am white in colour lives in polar regions. k.I have ink sacs on my body. l.I have shell on my back. m.I can drink too much water and can store fat in my hump. n.I am the only mammal that can fly. o.I crawl as I have scales on my body. p.I have a long tail.

**Q14.If there were no scavengers our forests would have been a smelly ,rotting place of dead animals and plants. Scavengers keep our environment clean . What do we do to keep the environment clean.**

**Q15.Activity:**

- 1.Is the chlorophyll necessary for photosynthesis? Explain with the help of activity.
- 2.Is Sunlight necessary for photosynthesis? Explain with the help of activity.
- 3.Take a A4 size white sheet . Now take green poster colour. Take a leaf and dip it in green colour. Now , give the impression on the sheet. Keep the sheet to dry. Now, your hand made sheet is ready. On the sheet write five uses of leaves.
- 4.Do an activity to show that water moves up through the stem.
- 5.Starch is formed in green leaves. Explain with the help of activity. Draw the related diagram also. How do plants use their food?
- 6.The planet Earth is called mother Earth. We celebrate International mother Earth Day every year. Which day is declared as International Mother Earth Day? Also find out how human activities are creating imbalance in nature.
- 7.Find out about Chipko Movement and write about it.
- 8.Find out and name one animal each found in: a.Jammu and Kashmir b.Uttarakhand c.Ladakh d.Himachal Pradesh
- 9.Find out about some migrating birds and write about each.
- 10.Collect the pictures of dresses worn in different seasons and paste them in on a drawing sheet.
11. Name some renewable and some non renewable sources of energy.
- 12.Visit a waste disposal site nearby your locality . Observe how non biodegradable waste such as plastic , tin cans, glass bottles are separated.
- 13.Collect the pictures of some artificial satellites and paste them on a drawing sheet.
- 14.Find out that how can you protect your teeth from cavities and write.
- 15.Name different types of foods and dishes are eaten by the people of any 5 states in India.
- 16.How can you save food from wastage?
- 17.Name any two favourite dishes of your and write their recipe on a drawing sheet.
- 18.Collect pictures of some viviparous and some oviparous animals and ,make a small collage.
- 19.Collect some leaves and paste them on a drawing sheet.
- 20.Take any coloured sheet and try to make your flower out of it and paste in scrapbook.

**Q16.Project Work**

- a.Germinate the bean seed and bring the plant to school after vacations. (Roll no.1to7)
- b.Make a plant using waste leaf on a chart or A4 sheet. (Roll no.8to14)
- c.Make 4 different animals using dry fruits empty shells. (Roll no 15 to 21)