

Lesson - 1 GREEN PLANTS

Q.1 Fill ups:-

1. The outer surface of the leaf has a waxy coating called _____
2. Exchange of gases occurs through _____ in leaves.
3. _____ helps in the growth of new plants.
4. _____ means transfer of pollen grains.
5. Green plants are also called _____
6. Tip of leaf is called _____.
7. _____ joins the leaf to the main stem.
8. The broad flat part of the leaf is called _____.
9. Plants attract pollinators through _____, _____ and _____.
10. _____ eat and breakdown the remains of dead animals.

Q.2 Name them

1. The basic source of food for all living things. _____
2. Only living things which make their own food. _____
3. Food factories of plant. _____
4. Leaves are green in colour due to the presence of _____
5. Which part of the following plants are eaten as food and give one more example
Spinach _____
Mango _____
Sugarcane _____
Peas _____
Carrot _____
6. Name a plant having red leaves _____
7. Tiny pores present on lower side of leaves _____
8. The chemicals used for bleaching _____
9. A gas released by green plants during process of photosynthesis _____

Q.3 Correct the following statements by crossing the wrong words.

1. A plant makes food in root / leaves
2. During photosynthesis plant gives out oxygen / carbon-di-oxide
3. The energy of sun is trapped in stomata / chlorophyll
4. The process of preparing food is called photosynthesis / bleaching

Q.4 Carbon-di-oxide + Water $\xrightarrow[\text{chlorophyll}]{\text{sunlight}}$ _____ + oxygen

Q.5 Tara wants to find out whether cooked pasta contains starch. How can she find out?

Q.6 Match the following:

A

1. A flower has
2. Leaves are
3. Green leaves
4. Seeds have
5. Stomata are
6. Root hairs

B

- a. absorb water and minerals from the soil
- b. make food for the plant
- c. food factories of plants
- d. sepals and petals
- e. the tiny opening in a leaf
- f. a baby plant and a bundle of food.

Q.7 Unscramble the word:

1. pohclrohlyl - _____
2. tarshc - _____
3. genyox - _____
4. lsnughit - _____
5. tware - _____

Q.8 Write true or false

1. Leaves are green in colour due to the presence of chlorophyll.
2. Roots are green in colour.
3. Sugar is stored only in fruits.
4. Plants help to clean the air.
5. Food produced is in the form of starch.
6. Blue test show the presence of starch
7. Starch is present in potato.

LESSON 2 WHERE PLANTS LIVE – ADAPTATIONS

Q1 Name two plants in each case.

- a) Cone bearing plants- _____
- b) Plants growing in warm plains - _____
- c) Floating plants - _____
- d) Plants growing in coastal area - _____

Some animals in the desert go to sleep for long time during summer to save water. This behavior is known as aestivation.

Q2 Fill in the blanks:

- (a) Some plants have _____ instead of flowers.
- (b) Some plants shed their leaves to protect themselves from _____
- (c) Fungi cannot make their own food because they do not have _____
- (d) Plants take in carbon dioxide and give out oxygen through the _____
- (e) Moulds and mushrooms get their food from _____
- (f) Local environment of a plant is called _____.
- (g) Desert plants that store water in their stem or leaves are called _____.
- (h) _____ grow in marshy areas.
- (i) Permanently frozen sub layer of soil in India region is called _____.

When it rains a cactus can absorb a lot of water and store it like a sponge.

Q.3 Why do roots of mangrove trees have difficulty in getting air?

Ans. _____

Q.4 In her essay on non-green plants, Megha wrote about how non-green plants carry out photosynthesis. Was Megha right? Give reasons.

Ans. _____

Q.5 Mark tick for correct and cross for wrong statement in the box:

1. Underwater plants have narrow leaves with no stomata. ☐
2. Spruce tree grows in hilly areas. ☐
3. Cactus and prickly pear are plants of marshy areas. ☐
4. Duck weed and water lily are floating plants. ☐
5. Pine tree is a terrestrial plant. ☐
6. Trees which grow in hot and damp climates are called mangroves. ☐

Q.6 Read the clues and fill in the word puzzle:

1		I			R		
2		U			W		
3			N		S		U
4			R	A			
5			C				T

1. Arboreal animal
2. Floating plant
3. Extinct animal
4. Herbivorous animal
5. Plant of hot and damp place.

Q.7 Read the clues and unscramble the words given below.

1. An unpleasant event that happens unexpectedly

NETCADIC

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2. A green substance present in leaves

PHYLOROLLCH

--	--	--	--	--	--	--	--	--	--	--

3. They help plants to breathe

TOMATAS

--	--	--	--	--	--	--

4. A tree that grows in coastal areas

NOCOCUT

--	--	--	--	--	--	--

5. A non-green plant

MOOSHRUM

--	--	--	--	--	--	--	--

Q.8 What kind of plants do aquarium have? Why?

LESSON 3 - ANIMALS AND THEIR BABIES

Q1. Fill UPS:

1. Largest single cell is _____.
2. The bee humming bird egg is the size of a small pea and weighs _____
3. _____ is the covering in which the caterpillar changes into a butterfly.
4. The air space formed when the contents of the egg cool and contract after the egg is laid is called _____.
5. The process by which animals produce their own kind is called _____
6. Name 2 mammals that live in water _____, _____
7. _____ grows into a frog.
8. The process by which baby insect shed their skin before growing into adult _____
9. Name one mammal which can fly _____
10. A frog's egg hatch into _____
11. Egg of the fish is called _____
12. In an egg of bird the food for growing chick is stored in the _____

Q2. Name the following -

- a) The portion of the egg where food is stored - _____
- b) Two animals whose life cycle have three stages _____
- c) A young one of cockroach _____
- d) Shedding of skin – _____
- e) The growing baby inside on egg- _____
- f) Larva of butter fly change in to _____

Q3. Complete the table –

1. Birds : eggs : : cows : _____
2. Caterpillar : leaves : : embryo : _____
3. Butterfly : caterpillar :: bird : _____
4. Cockroach : nymph : : housefly : _____

Q4. State true or false.

1. All animals lay 2 or 3 eggs only. _____
2. When they eggs of frogs hatch, baby frogs come out. _____
3. Mammals give birth to babies and feed their babies with their own milk. _____
4. Mammals do not have hair on their bodies. _____
5. Reproduction ensures the survival of the same kind. _____

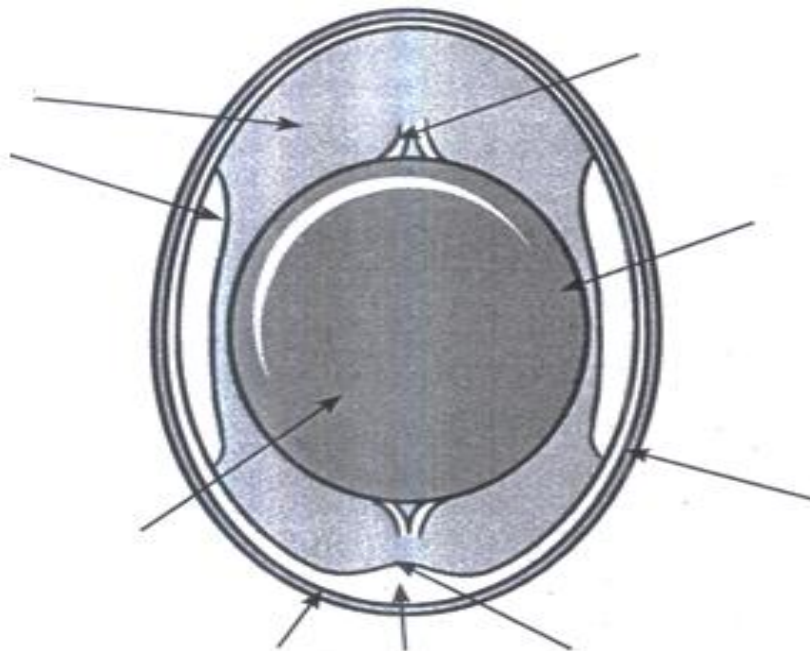
Q5. Tick the correct word.

1. Whales / seals lay eggs in water
2. Hatching means giving warmth to eggs/ young ones.
3. Insects do not care / care about their young ones.
4. Mammals / birds have hair on their body
5. Butterfly undergo three / four stages of growth and development.

Q6. Give examples-

- a) Egg laying mammals – _____
- b) Egg laying insects – _____
- c) Egg laying reptiles – _____
- d) 2 water animals that look like a fish but are mammals are _____

Q7 Label the diagram.



Parts of an egg

LESSON 4 - WHERE ANIMALS LIVE – ADAPTATIONS

Q1 Answer in one word.

1. What is the ability to observe an environment using sound called? _____
2. What is the ability to blend into the surrounding environment called? _____
3. Name the only mammal that are capable of continued flight. _____
4. Name the animal that changes the colour of its fur to match with the surrounding. _____
5. Name the special features that help the animals to live and grow in their environment. _____

Q2 Fill in the blanks:

- (a) _____ is a long winter sleep in animals.
- (b) Porcupine has _____ to protect itself.
- (c) A giraffe is a _____
- (d) Fish have _____ to swim with.
- (e) _____ lay eggs in sand or soil.
- (f) _____ means shedding of old skin.
- (g) _____ and _____ are water animals that look like a fish but are mammals.
- (h) _____ live in air e.g. birds, bat.
- (i) _____ live in water e.g fish, crab.
- (j) _____ spent most of their time on trees e.g monkey, squirrel.
- (k) _____ live both on land and water e.g – frog, toad.
- (l) _____ live on or on the body of other animals e.g leech, lice, mosquito.
- (m) The process of adjustment of plants and animals according to the environment is called _____.
- (n) _____ feed on garbage and dead animals. They have sharp beak and claws. E.g –eagle, vulture.

Q.3 Solve the crossword puzzle

Across →

2. animals living on both land and water
5. of land/related to land
6. natural environment of a living thing
9. animal that eats flesh of other animals

Down ↓

1. to hide for some time and show less activity
3. parasites suck food from their body
4. mosquito and leech are grouped in this category
7. animals that spend most time in the sky
8. animals that spend most time on trees
10. an extinct animal

The crossword puzzle grid is 10 squares wide and 10 squares high. The numbered squares are: 1 (H), 2 (A), 3 (H), 4 (P), 5 (T), 6 (H), 7 (A), 8 (A), 9 (C), 10 (D). The grid is partially filled with letters: Row 1: H; Row 2: A, H, P; Row 3: T; Row 4: H, A; Row 5: C; Row 6: D; Row 7: A; Row 8: A; Row 9: A; Row 10: A.

Q.4 Why do you think dinosaurs and dodos became extinct?

Q.5 Why can birds fly but human beings cannot?
