

# BHAKT ENGLISH MEDIUM SCHOOL

## SCIENCE STD: IV SCIENCE

### CH. NO.1

#### Fill in the blanks

1. Trees growing in the hills have **needle** shaped leaves
2. Plants in hot and dry area are **Desert plant**
3. Trees in the plane shed their leaves in **winter**.
4. Wolffia is an example of **floating** plant.
5. **Underwater** plants have no stomata.

#### Write true or false

1. Cactus makes its food by its spine
2. Cuscuta is it type of insectivorous plant
3. Places with sticky and clay soil are called swamps.
4. Plants growing in hills are called aquatic plant
5. cactus grows in dry desert area

#### Short type answers

1. **How does Cactus survive in the desert?**

**Answer:**

- Cactus have spines which prevent the loss of water.
- They have thick and Fleshy stems.
- They have long roots that go deep into the ground to absorb water.

- 2.**How does the Venus flytrap plant trap insects/**

**Answer:** Venus flytrap plant trap insects with the help of their specially designed leaves

- 3.**What kind of plants grow in Swamps?**

**Answer:**Plants growing in swamps have breathing roots. E.g. Mangroves

- 4.**Why do floating plants have waxy coating on their leaves?**

**Answer:**Plants have waxy coating on their Leaves and stomata to absorb air.

#### LONG TYPE ANSRWERS”

1. **Describe three type of aquatic plant?**

**Answer:1. Floating plants:**they have small and light bodies that can float on water .e.g. Duckweed.

**2.Fixed plants:**They are fixed to the bottom of pond but most of their vegetation is above water e.g. lotus.

**3. Underwater plants:** This plant remains completely submerged in water and has thin leaves and flexible stems. E.g. hydrilla.

## **2.What is the main difference between Terrestrial and aquatic plant?**

**Answer:**

- Terrestrial plants live and grow on the land which can be categorised as follows: plant in desert, plant in hills, plant in marshes, plant in plain.
- Aquatic plants live and grow in water which can be categorised as follows: floating plant, fix plant, underwater plant

### **Answer key:**

#### **Multiple choice question:-**

1. Cider
2. Mangroves
3. broad leaves
4. leaves\

#### **Match the following**

- 1.d
- 2.c
- 3.g
- 4.b
- 5.f
- 6.a
- 7.e

## CH.NO.2

Question:1 What is habitat?

Answer1: The type of an environment which is just right for an animal to live in and thrive is called its habitat .

Question 2: why do Polar bear have fur on their bodies?

Answer: because fur keeps their body warm

Question 3 what is nocturnal animal give some example

Answer :Animals that come out at night in search of food and water are called nocturnal animal. For example owl, bat and moles.

Question 4 what are the adaptations help frog to live on land as well as in water?

Answer 4

\* They have moist skin which help them to breathe in water

\*They have lungs which help them to breathe on land.

\* Frog have long powerful legs for jumping on land and swimming in water.

Question 5: what is parasite? name any two.

Answer 5: some animals live inside or on the bodies of other living organisms to obtain food they are called parasites example of parasites are leeches, body louse and bed bugs.

Question 6 :why do some animals change colour?

Answer 6 :To protect themselves from enemies they are changing the colour.

## LONG QUESTION

Question 1 :what is adaptation ?explain.

Answer 1: The process of adjustment of animals and plants according to the surrounding in which they live is called adaptation.

For example fish is adapted to live in water, lion is adapted to live in forest.

Question 2 what is camouflage? Give an example.

Answer 2: some animals protect themselves from their Enemies by changing the colour of their skins to match the colour of their surroundings.This type of colouring to mix or merge with the surrounding is known as camouflage.For example chameleon.

Question 3 What is arboreal animals?

Answer 3: Animals which lives mostly on trees are called a boreal animals. For example monkey, chimpanzee.

Question 4: what is Aerial animals?

Answer 4: Animals that fly why are called aerial animals. Animals and birds such a sparrow Eagle, crows. Mammals like bat and insects like flies, butterflies and moths are also aerial animals.

## Class 4 chapter 3 exercise answer key

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Multiple choice question

1. Tadpole
2. Cow
3. Caterpillar
4. Albumen

Write true or false answer key

1. False
2. False
3. True
4. True
5. False

Give one word answer for the following

1. Nymph
2. Maggot
3. Tadpole
4. Embryo

Match the following

1. b
2. c
3. d
4. e
5. a

Short answer type question

Question 1: what are mammals? Give two examples.

Answer 1: animals which give birth to young ones directly are called mammals. For example human being, cat, cow, horse.

Question 2: Name the various stages in the life cycle of a frog?

Answer 2: Spawn, early tadpole, tadpole with legs, young frog and adult frog.

Question 3: which animals lay eggs in large numbers

Answer 3: Amphibians like frog.

Question 4: Name the parts of an egg.

Answer 4: Eggshell, albumen, Yolk, Embryo.

Question 5 :what is moulting?

Answer 5: Shedding of old skin, shell, etc. by an animal.

Question 6 what is reproduction?

Answer 6: The process by which living being produce young ones of its own kind is called reproduction.

Question 7: what are the animals that lay eggs known as?

Answer 7: Animals that lay eggs are known as egg laying animals.

ACTIVITY TO DO IN SCIENCE NOTEBOOK:

1. Make a chart showing the different stage in the life cycle of cockroach
2. Stick the pictures of herbivorous, carnivorous, omnivorous, aquatic animal, arboreal animals, aerial animals, parasites and amphibians in Science notebook