

The Garden International School Sherpur, Patna

Chapter – 1

Living and Nonliving Things

The world in which we live is very beautiful. There are many things around us. These are air, water, mountains, vehicles, toys, buildings, plants, animals, birds, sun, moon, stars etc.

Things that have life in them are called living things. Humans, plants, animals and birds are all living things. Things that do not have life are called nonliving things. Objects like table, chair, pen, car etc. are nonliving things. Everything around us can be grouped as living or nonliving.

- **FEATURES OF LIVING THINGS**

All living things have special features as they grow, move, feel, need food, breathe and reproduce.

1. Living things grow
2. Living things need food and water
3. Living things move
4. Living things breathe
5. Living things reproduce
6. Living things have a lifespan
7. Living things can feel change in the surrounding
8. Living things give out waste product

- **Difference between living and non-living things.**

Living things	Non-living things
Living things need air to breathe.	Non-living things do not breathe.
Living things need food to live and grow.	Non-living things do not need food.
Living things grow and change with time.	Non-living things do not grow
Living things move on their own in search of food and shelter.	Non-living things do not move own their own.
Living things feel changes around them.	Non-living things do not feel changes around them.
Living things reproduce.	Non-living things do not reproduce.

- **TIME TO SUMMARISE**

- ✓ Things we see around can be broadly divided into two groups - living things and non - living things.
- ✓ Natural things are not made by man. These are gifted to us by nature.
- ✓ All man - made and some natural things are non - living things.
- ✓ Living things grow but non - living things don 't.
- ✓ Living things need food and water but non - living things don 't.
- ✓ Living things move but non - living things move only when they are moved by someone or something.
- ✓ Living things breathe but non - living things don 't.
- ✓ Living things reproduce but non - living things don 't.

- ✓ Living things have a lifespan but non - living things do not have a lifespan.
- ✓ Living things can feel changes in the surroundings but non - living things cannot feel, any changes.
- ✓ Living things give out waste products but non - living things don't. We must care for plants, animals and our surroundings.

Excise :

A. Answer the following questions.

- i. What are living things?
- ii. What are non-living things?
- iii. What are natural things?
- iv. What are man-made things?
- v. Give two examples of living things.
- vi. Give two examples of non-living things.
- vii. Give two examples of natural things.
- viii. Give two examples of man-made things.
- ix. What are the five differences between living things and non-living things?
- x. What are man - made things?
- xi. Why do animals move from one place to another?
- xii. Why do living things need food?
- xiii. Name any two animals that reproduce by giving birth to babies.
- xiv. Write six features of living things.

B. Name the following :

- i. Any two living things. a. _____ b. _____
- ii. Any two non-living things. a. _____ b. _____
- iii. Any two animals living in water. a. _____ b. _____
- iv. Any two animals living on land. a. _____ b. _____
- v. Any two animals that crawl on land. a. _____ b. _____
- vi. Any two animals that have horns. a. _____ b. _____
- vii. Any two food items we eat also eaten by animals. a. _____ b. _____
- viii. An animal that lives in water and it is also a mammal. a. _____ b. _____

C. Fill in the blanks :

- i. All plants and _____ are living things. (animals/wood)
- ii. Most plants grow from _____. (seeds/eggs)
- iii. Non-living things found in nature are called things. (man-made/natural)
- iv. Non-living things made by man are called _____ things.
(manmade/natura)
- v. Animals lay _____ or give birth to young ones. (seeds/eggs)
- vi. We find _____ and _____ things in our
surroundings.
- vii. Living things show _____.
- viii. Animals and human beings have _____.
- ix. _____ can move, but _____ cannot move.

- x. A _____ grows into a man or woman.
- xi. _____ things need food and water.
- xii. Plants prepare their own food by the process of _____.
- xiii. _____ is required for photosynthesis.
- xiv. Human beings breathe through _____.
- xv. _____ breathe through pores in leaves.

D. Answer the following questions.

- a) Where do we get food from?
- b) Why do we cook food? Give three reasons.
- c) Why should we prefer pressure cooker for cooking pulses, rice etc.?

E. Name the following.

- a) Any four cereals
- b) Any four pulses
- c) Any two food-items eaten both raw and cooked
- d) Any three non –vegetarian food

Chapter – 2

PLANTS

We all are the part of the our environment. Nature has created living things in the form of plants and animals. It has gifted them their body parts for different types of functions to perform and satisfy their own needs.

Parts of the Plant.

- i. Root : To take water & Minerals from the soil.
 - ii. Stem : Support plant's part.
 - iii. Leaf : To make own food.
 - iv. Trunk : To support body parts.
 - v. Flower : Reproductive part of the plant.
- **New words learnt.**
Leaf blade or lamina – the flat broad part of the leaf.
Photosynthesis – the process of making food in the green leaves of plants using air, water and sunlight.
 - **Let us recall.**
 - ✓ The different parts of a plant are root, stem, leaf, flower, fruit and seed.
 - ✓ Roots are of two types – tap root and fibrous root.
 - ✓ Roots absorb water and minerals from the soil, fix the plant in the soil and store food.
 - ✓ Stem bears branches, leaves, flowers and fruits. They transport water and food and store food.
 - ✓ Leaves make food for the plant and help it to breathe.
 - ✓ Flowers grow into fruits which have seeds in them.
 - ✓ The growth of a new plant from a seed is called germination.

- **Keywords for chapter plant.**

- ✓ Herbs – the plant which have soft and
- ✓ green stems called herbs. Ex. mint, coriander
- ✓ Shrubs – the plants which have thin and woody stems called shrubs. Ex. rose , cotton and hibiscus.
- ✓ Trunk – trees have hard, thick and woody stem called trunk, it holds the tree upright.
- ✓ Photosynthesis – the process in which green leaves help the plant to prepare food with the help of air, water, and sunlight.

Excise :

1. Plant's Products.

A. Cereals : there are also known as Grains.

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|------------------|--------------------|
| i. Rice | iii. Maize |
| ii. Wheat | iv. Millets |

B. Pulses : these are commonly known as Dals.

- | | |
|-----------------------|----------------------|
| i. Black gram | iv. Moong dal |
| ii. White gram | v. Masure dal |
| iii. Arhar dal | |

C. Spices : these adds a special flavour to our food.

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|-------------------|----------------------|
| i. Mustard | iii. Cardamom |
| ii. Cumin | iv. Chillies |

D. Oils : these makes our food tasty and very well cooked.

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|----------------------|---------------------|
| i. Mustard | iii. Coconut |
| Ground nut | iv. Linseed |
| ii. Sunflower | |

2. Fill up the blanks.

Maize

Moong dal

Mustard

Coconut

Camel

Cashew nut

Bear

sheep

Duck

Spider

- i. _____ is a type of Dals.
- ii. _____ is both plant & animal eater.
- iii. _____ is a milk producing animal.
- iv. _____ is a type of oil.
- v. _____ is an insect eater.
- vi. _____ gives eggs.
- vii. _____ is a type of dry fruits.
- viii. _____ is a type of spices.
- ix. _____ is a type of cereals.
- x. _____ is also a meat producing animal.

3. Name the following.

- i. Two cereals _____
- ii. Two dry fruits _____
- iii. Two grain eaters _____
- iv. Two milk producer _____

4 Fill in the blanks

1. _____ are of different shapes and sizes.
2. _____ are tall and strong.
3. Plants smaller than shrubs are called _____.
4. Peepal is an example of _____
5. The _____ and _____ grows in water.
6. Rose is an example of _____.
7. _____ have leaves.
8. _____ and _____ trees grow in warm places
9. The _____ tree grows in hot places near the sea.
10. Most leaves are _____ in colour.
11. The _____ plant grows in hot deserts.
12. _____ prepare food for plants.
13. _____ are our green friends.
14. _____ are called the kitchen of the plant.
15. We get our food from _____.
16. _____ and _____ are necessary for the survival of all living beings

5 Choose the correct answer

1. Rose, Hibiscus and Mehendi are _____ (herbs, shrubs, climbers)
2. Balsam, grass and sunflower are _____. (trees, herbs, creepers)
3. Wood of _____ trees is used for making cricket bat. (willow, coconut, mango)
4. Fir and pine trees grow in _____ places. (warm, hot, cold)
5. _____ plant gives us oil. (cotton, sunflower, spinach)

6. Name the following.

- i. Any two plants whose leaves we eat
 - ii. Any two plants that give us oil.
 - iii. Any two plants grow in water.
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7. Match the following.

Rose

Mountain

Sunflower

Shrub

Cotton

Desert

Cactus

Herb

Crass

Medicine

Pine

oil

Leaves

fibre

Tulsi

kitchen

8. Answer the following question.

i. Define herbs, shrubs and trees. Give two examples each.

ii. what are the uses of plants ?
