

**Grade: I**

**Subject: Science**

## **Things around us**

There are many things around us. Things which are made by people are called man made things. But all things around us are not made by people. Things that are found in nature are called natural things. All living things are natural things. Things like rocks, soil, water, air, and wood, which are non-living are also natural things.

Things that have life are called living things. All plants and animals are living things.

Things that do not have life are called non-living things. Toys, books, computer, rocks, ball, house, tables etc are all non-living things.

### **Characteristics of living things**

#### **Living things move**

All living things move. Animals move from one place to another. They move in search of food and shelter. Most of the animals move with the help of legs . Horses, goats, cows, sheep move with the help of legs. Birds fly with the help of wings. Fish swim in water with the help of fins.

Plants cannot move from one place to another but plants move their body parts. The roots move towards the soil and water. The sunflower turns towards the sun. When we touch the leaves of touch-me-not plant, the leaves fold together.

#### **Living things grow**

All plants and animals grow. A baby grows into a child and a child grows into an adult. A chick grows into a hen. A seed grows into a small plant and then a big plant.

#### **Living things reproduce**

All living things reproduce young ones. Some female animals give direct birth to their young ones. Birds, frogs, snakes, lizards lay eggs that hatch out babies. Plants produce seeds and new plants grow from seeds.

#### **Living things need food**

All living things need food to grow and live. Food provides us energy. Plants prepare their food by using air water and sunlight. Some animals eat plants or parts of plant and others eat bodies of other animals.

#### **Living things breathe**

All living things need air to breathe. Plants have tiny holes in leaves for the exchange of air. These holes are called stomata. We breathe through our nose. Other animals like cows, sheep buffalo etc. also breathe through their noses. Fish breathe through gills.

#### **Living things feel**

All living things feel and react in different ways. We feel hot in summer and cold in winter. Animals have different sense organs to feel like skin, ears, nose, eyes and tongue. Even plants feel the changes.

#### **Living things die**

All living things grow old and die. They become non-living after death.

#### **Non-living things**

Non-living things do not have life in them. Non-living things do not grow, breathe, move, feel , reproduce , need food, or die.

### **Work Time**

#### **A. Fill in the blanks.**

1. All kinds of ..... and ..... need food to live.
2. Birds fly with the help of .....
3. Non-living things have no .....
4. Snakes lay .....
5. Plants breathe through .....
6. Cats walk with the help of .....

#### **B. Write true or false**

1. Living things grow .
2. Rock is a non-living natural thing .
3. Plants are man made things .
4. A baby goat is called a calf.
5. All living things die and become non- living things.

#### **C. Name any five living thing.**

#### **D. Name any five natural things .**

#### **E. Name any five non-living things .**

#### **F. Name five animals that lay egg.**

#### **G. Name any five man made things .**

#### **H. Answer the following questions.**

1. What are living things ?
2. What are non living things?
3. Write main features of living things?
4. Why do animals move from one place to another place ?
5. What do you understand by natural things ?
6. How do animals breathe ?