



**CLICK HERE TO ACTIVATE**

**LESSON**  
PART 1



UNIT

1

THINGS AROUND US

LESSON-1

LIVING AND NON-LIVING THINGS

BEFORE WE PROCEED

- ❖ Name some living things and some non-living things.
- ❖ How can you differentiate living and non-living things ?
- ❖ Name a living thing which does not move.



SAY ALOUD

machine, broadly, characteristics, nature, definite, reproduce, energy

Let us find out more about living and non-living things

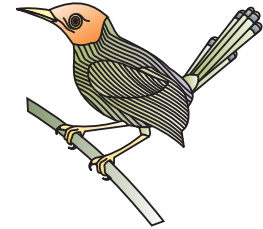
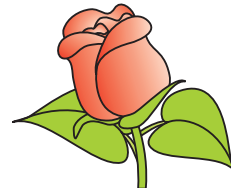
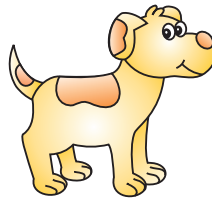
We see many things around us. These are houses, machines, toys, animals, birds, flowers, tables, etc. All these things are broadly grouped in two categories :

1. Living things and
2. Non-living things

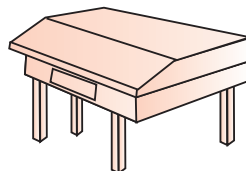
Living things and non-living things have certain characteristics which make them different from each other.

1. Living Things

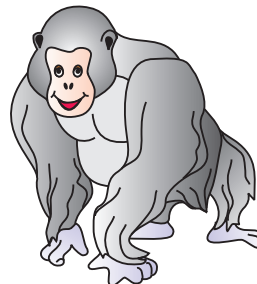
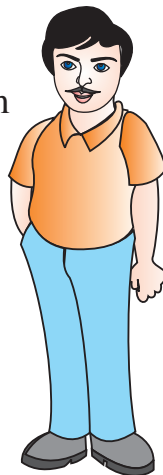
Human beings, animals, birds and plants grow, move, feel, eat and reproduce. We call them living things.



Living things



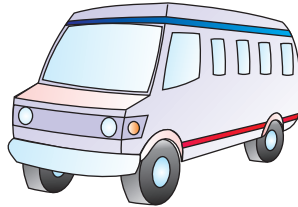
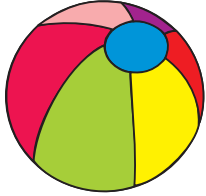
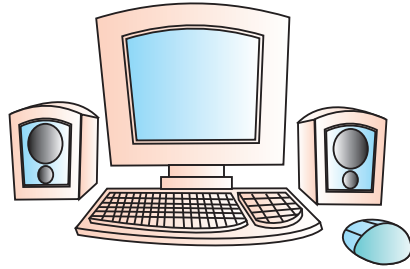
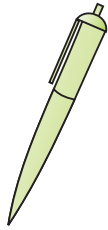
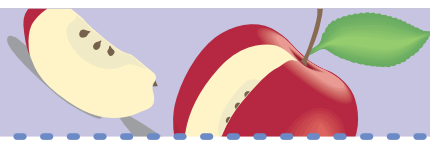
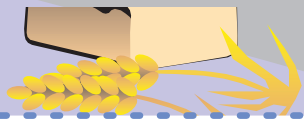
Non-living things



Think And Do

Name any five living things.

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_



### WHAT TO DO ?

Arrange all these in the appropriate columns :

- |           |        |       |         |
|-----------|--------|-------|---------|
| aeroplane | book   | cat   | stone   |
| hen       | eraser | car   | table   |
| pencil    | tree   | tiger | sparrow |
| horse     | frog   | snake | chalk   |

### Living Things

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### Non-living Things

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### Do you know?

Things like mountains, rivers, clouds, soil, sun, moon are formed on their own in nature. They are called natural things. They are considered as non-living things.

**Living and non-living things have certain characteristics which in many ways are similar :**

- ◆ **Both have definite shape :** Both living and non-living things have definite shape. A man may be taller than another man; a chicken may be bigger in size than another chicken or a pen may look different from another pen, but all of them have a shape which can be defined.

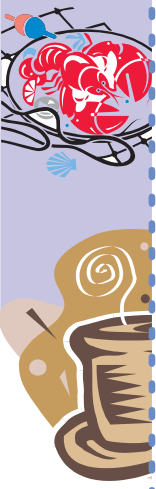
## 2. Non-living Things

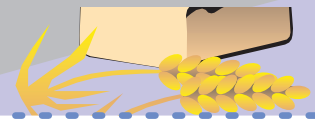
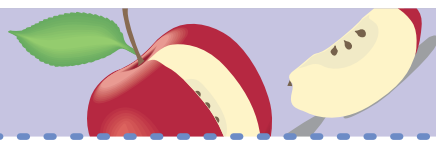
Buildings, toys, pens, televisions, cars, cell phones, computers, etc. cannot grow, cannot move on their own and cannot feel and eat. We call them non-living things.

### Think And Do

Name any five non-living things.

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_





- ◆ **Both the things occupy space :** Since things have a shape, they occupy space. When we place a pen on the desk or when we sit down on a chair, we occupy certain space.
- ◆ **All the things have weight :** All the things have weight. When we change the place of a television, we need to hold it properly because it has weight. Similarly, a baby is held properly so that it does not fall.
- ◆ **Things are made up of matter :** Human body has blood, muscles, bones and many other organs. Similarly, a table consists of wood, nails etc.

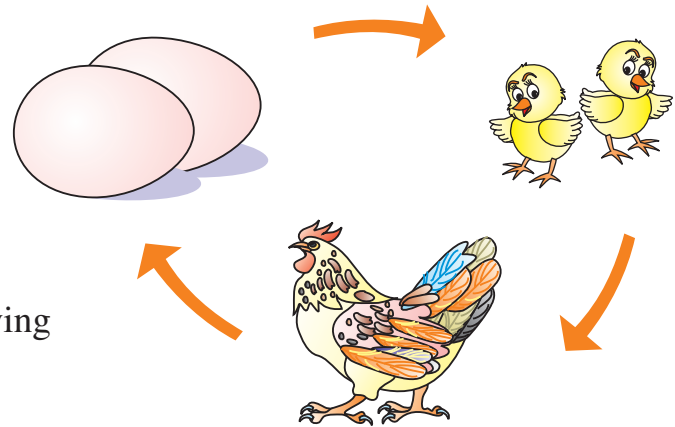


### How are living things different from non-living things ?

#### 1. All Living Things Grow

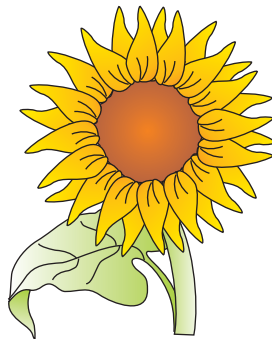
A chicken which comes out of an egg grows into a hen. The seed grows into a small plant. The small plant grows into a big plant. A baby grows into a child who in turn grows into an adult.

But a pen or a toy cannot grow. Thus, living things grow but non-living things do not.



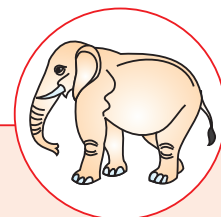
#### 2. All Living Things Move

Different living things move in different ways. A man walks, runs or jumps. Birds fly, fish swim and cow roams and the sunflower turns towards the sun. But table, pen, computer etc. cannot show any kind of movement. It is because they are non-living things. Though most of the plants can't move, they are living things.



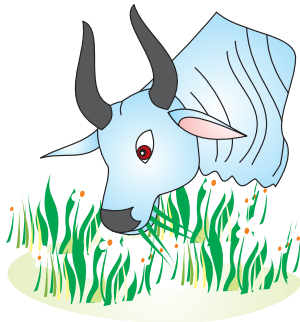
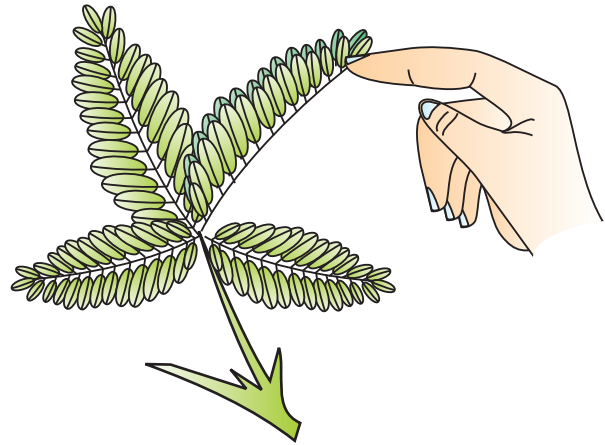
#### Do you know?

Elephants use their trunks in the same way as we use our hands.



### 3. All Living Things Feel

All the living things feel the condition which may be either favourable or unfavourable. Different living beings express their feelings in different ways. If a human being feels pain, he expresses it by crying. When he feels happy, he expresses it by laughing. A dog barks when it senses danger. Leaves of a 'Touch-Me-Not' plant fold, when touched. But non-living things do not feel. A cup cannot feel the coldness or hotness of tea.



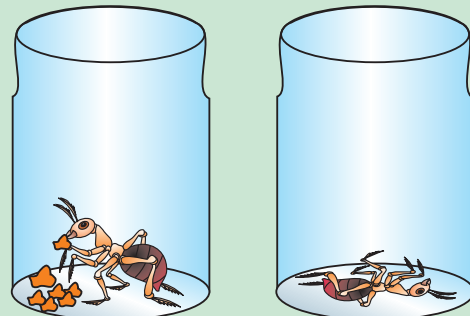
### 4. All Living Things Need Food

All living things need energy. They can get energy from food and water.

Non-living things - a computer, a pen, a table etc. need no food for their survival.

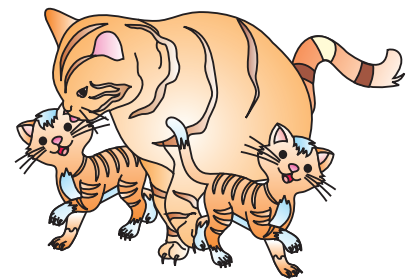
### WHAT TO DO ?

When we put ants in two jars with one jar containing eatables and the other having no food, the ant in the jar having eatables will survive while the other ant in the other jar will die.



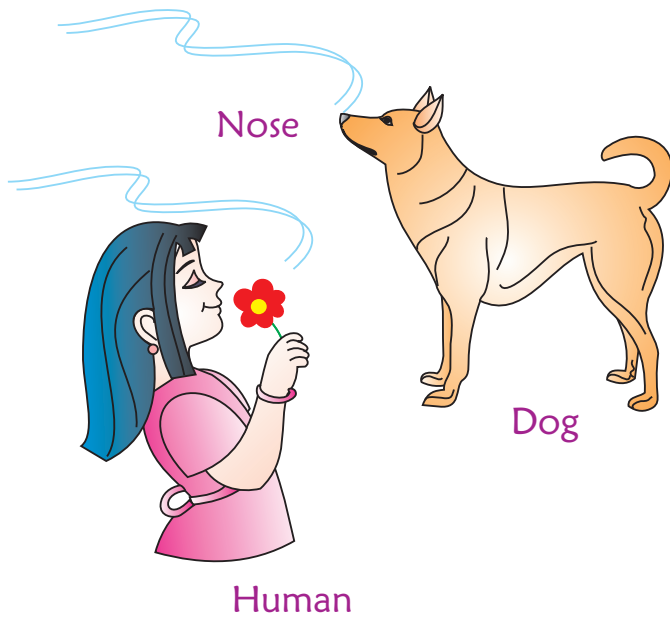
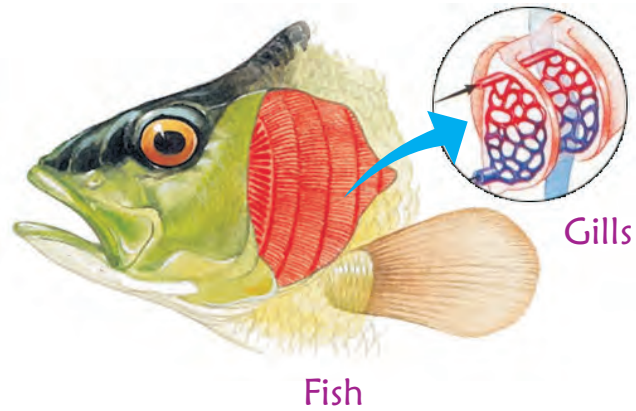
### 5. All Living Things Reproduce

All the living things reproduce their own kind to maintain their race. A woman gives birth to babies. A cat gives birth to kittens.



A hen lays eggs. Chicks come out from eggs. Fish also reproduce by laying eggs. Plants grow from seeds. Some plants grow from stems also.

Non-living things - table, pen, chair etc. can not reproduce.



## 6. All Living Things breathe

Living things need air to stay alive. Human beings breathe oxygen through nose and lungs. Animals like cat, dog have nose to breathe. A fish breathes through gills.

But non-living things - doll, car, computer, radio etc. do not need air for survival.

### WHAT TO DO ?

Hold your breath for a few seconds. Can you hold it longer? No. Why? Write here :



### Key Ideas

- ★ Living and non-living things have their own characteristics.
- ★ Some are alike and some are different.
- ★ Living things need air and food to live, grow, feel and reproduce.
- ★ Non-living things do not have any quality of their own. They are handled by human beings and nature.

# LET'S WRITE TOGETHER



## A. Answer these questions :

1. Give five examples of living things.
2. What are non-living things ? Give five examples.
3. How can we prove that living things need air for survival ?
4. Living things can feel. How ?

## B. Complete the sentences :

1. All the things occupy \_\_\_\_\_.
2. Living and non-living things have their own \_\_\_\_\_.
3. Living things need air to stay \_\_\_\_\_.
4. A cat gives birth to \_\_\_\_\_.
5. A \_\_\_\_\_ lays eggs.

## C. Name these :

1. The flower that turns towards the sun \_\_\_\_\_
2. Birds lay these \_\_\_\_\_
3. A fish breathes with the help of these \_\_\_\_\_
4. A baby grows into \_\_\_\_\_

## D. Put in order according to growth :

1. egg, hen, chicken  
\_\_\_\_\_
2. tree, young tree, seed  
\_\_\_\_\_
3. adult, baby, old person  
\_\_\_\_\_

## E. Circle the odd one :

- |                |          |       |            |
|----------------|----------|-------|------------|
| 1. Human being | Elephant | Dog   | Table      |
| 2. Baby        | Kitten   | Chick | Sunflower  |
| 3. Computer    | Car      | Snake | Television |

**F. Match the following :**

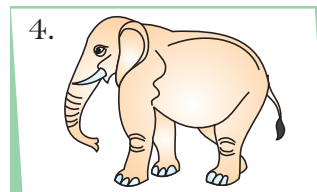
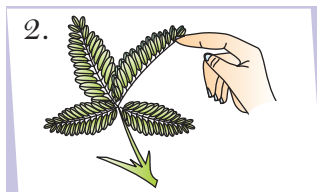
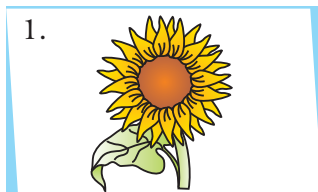
- |                 |         |  |
|-----------------|---------|--|
| 1. Pen does not | [     ] | (A) lay eggs to reproduce.                     |
| 2. Telephone    | [     ] | (B) need air, food for survival.               |
| 3. Cat          | [     ] | (C) is the initial stage of a growing chicken. |
| 4. Egg          | [     ] | (D) gives birth to kittens.                    |
| 5. Fish         | [     ] | (E) is a non-living thing.                     |

**G. Write 'T' for True and 'F' for False :**

1. A pen can reproduce a young one.
2. A hen needs no food for survival.
3. Elephants use their tails like our hands.
4. A dog breathes through nose.
5. Human beings need oxygen to live.


**LET US DO**

**Identify the following pictures and name them :**



**Fun Activity**

1. Put two small plants in separate pots. Cover one plant with a plastic transparent sheet. Put both the plants in sunlight. Provide water and nutrients to both the plants. Observe the plants after a few days. Write your observations.

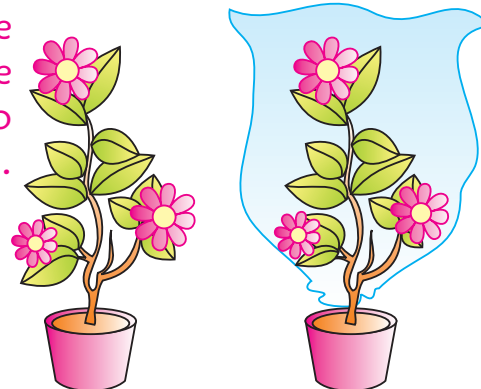
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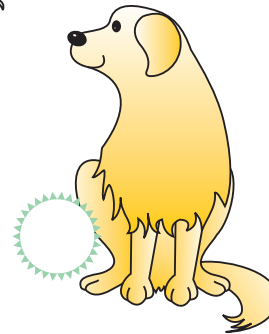
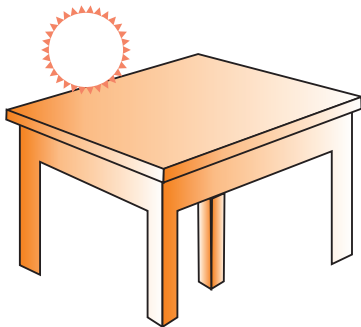
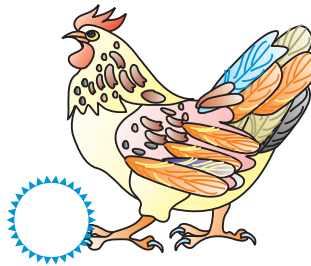
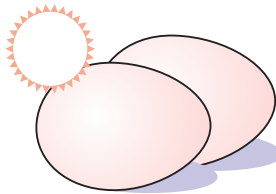
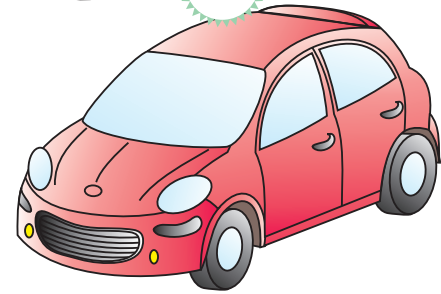
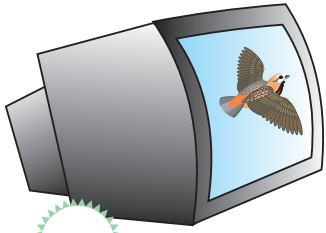


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2. See the pictures and put a (✓) on living things and a (X) on non-living things :



## GLOSSARY

- Broadly - generally
- Occupy - to fill or use a space
- Organ - a part of the body that has a particular purpose
- Stem - a long thin part of a plant above the ground from which the leaves or flowers grow