

- Man made things
- Natural things
- Living things
- Non-living things



# 1 Living and Non-living Things

We see many things around us, such as bus, car, cycle, computer, television, telephone, trees, rivers, mountains, animals, birds, etc. These things can be found in our homes, on roads and at other places.



These things can be divided into two parts : man-made things and natural things.

### Man-made things

Things made by man are called **man-made things**, such as car, fan, computer, road, mobile, TV, etc.

These are also called **artificial things**.



Car

Computer

Fan

Road

### Natural things

The things which cannot be made by man, and found in nature itself are called **natural things**, such as rivers, mountains, hills, moon, sun, stars, etc.



Things found around us can also be divided into living and non-living things.

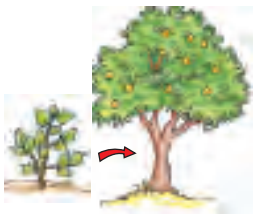
### ❖ Living things

Things which have life are called **living things**. Humans, animals and birds, and trees and plants are all living things. Such things have some qualities due to which they are called living things. These qualities are :



**1. Living things grow :** All living things grow. This growth happens by itself. At the beginning, they are very small, then slowly development takes place in them. In some, the growth is slow while in others, it is very fast.

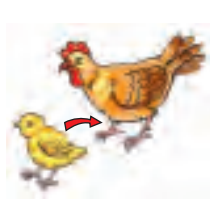
The seed grows into a plant and then into a tree. A child grows into a man or a woman. A chick grows into a hen or a cock.



Growth in a plant



Growth in a child



Growth in a chick

### Strange But True

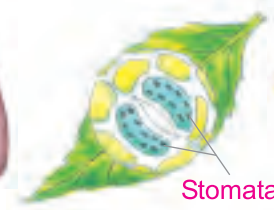
\* Bamboo is the world's fastest growing plant. It grows up to one metre in 24 hours.



**2. Living things breathe :** All the living things breathe. They breathe by their organs. Man, dog, cat, etc. breathe by **lungs**. Plants breathe by small holes called **stomata** on the surface of leaves. Fish breathe by **gills**.



Lungs



Stomata



Gills

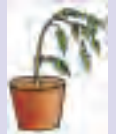


You might have observed that if we close our mouth and nose for a few seconds, we feel suffocated in a few seconds. Why does this happen? This happens because the body does not get air. In the same way, a plant also withers on not getting air.

**3. Living things eat and drink :** Living things need food and water to stay alive. Living things cannot live without food and water. Man and animals get their food from plants. But plants make their own food from soil, air, water and sunlight.

### Do You Know ?

\* If a plant in a pot is not watered for 3-4 days, it will wither.



**4. Living things move :** All living things move. They can move from one place to another. Man and animals move, birds fly while fish swim in water.



Plants cannot move like man or animals but their parts show movement. We can observe a flower opening and closing.



**5. Living things feel :** All living things feel. Man and animals feel happy and sad. If we touch a hot object, we immediately take our hand away. If we prick a thorn or a pointed object, we move our hand or leg away. Our eyes close by themselves if bright light falls onto them.

Plants too have the ability to feel. If some one touches the leaves of mimosa plant, they close immediately. After the hand is removed, the leaves come back to their normal position some time.



Mimosa plant



**6. Living things reproduce :** Reproduction means to give birth. Living things give birth to other similar things to increase their own kind. Man and animals give birth to their children. Birds lay eggs from which the babies hatch. Plants are born of seeds. Some plants reproduce through their stems, roots and leaves.

**7. Living things die :** Man, animals and plants live their lives and then die. All the living things live for a certain period only.



Life cycle of man



## ❖ Non-living things

The things which do not have life are called **non-living things**. All the things around us, besides the living things, are called non-living things. Some natural things are also non-living things, such as : soil, mountains, water, river, moon, sun, etc.



### Remember

\* Non-living things do not have the properties of living things.



### Looking Back.....

- ❖ Things made by man are called man-made things.
- ❖ Things found naturally in nature are called natural things.
- ❖ Things which have life are called living things.
- ❖ Living things grow, breathe, eat, drink, move, feel, reproduce and die.
- ❖ Things which do not have life are non-living things.
- ❖ All the man-made things are non-living things.



## Exercise

### A. Tick (✓) on the correct option : (MCQs)

1. A man made thing is \_\_\_\_\_.  
(a) River  (b) Tree  (c) Road
2. A natural living thing is \_\_\_\_\_.  
(a) Tree  (b) Waterfall  (c) Earth
3. A natural non-living thing is \_\_\_\_\_.  
(a) Water  (b) Plants  (c) Man
4. Plants breathe through \_\_\_\_\_.  
(a) lungs  (b) stomata  (c) both

### B. Answer the following questions :

1. What are man-made things ? Give examples also.
2. What do you understand by natural things ? Give examples.

3. What are living things ? Also, give examples.
4. What are the properties of living things ?
5. How do plants breathe ?

**C. Fill in the blanks by choosing the correct word :**

1. Living things \_\_\_\_\_.
2. Fish breathe through \_\_\_\_\_.
3. Living things cannot live without \_\_\_\_\_ and \_\_\_\_\_.
4. Living things \_\_\_\_\_.
5. All the man-made things are \_\_\_\_\_ things.

food  
water  
grow  
feel  
non-living  
gills

**D. Write Yes or No :**

1. Are man-made things called artificial things ?
2. Is telephone a living thing ?
3. Do plants also need food ?
4. Do plants also move like humans ?
5. Do non-living things also reproduce ?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**E. Write the names :**

**Man-made things**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Natural things**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Creative Task**

**Do the following :**

1. Take two glass jars. Keep a live rat in each. Cover one jar with a lid and keep the other one open. After some time, look at both the jars. What do you see ?



First jar \_\_\_\_\_ Second jar \_\_\_\_\_

2. Catch a frog. Take a pin and prick in its leg. What do you observe ? Write with reasons :



\_\_\_\_\_

\_\_\_\_\_

**Investigation :**

For more information about living and non-living things, log on to : [www.educationworld.com](http://www.educationworld.com)