

Living and Non-Living

Let's Begin

Go to your school ground and look around you. Pick out two things that you think are living and two that you think are non-living.

Give two reasons for why you think so.

We see many things around us. Some are **living**. People, animals and plants are all different kinds of **living things**.

Some things are **non-living**. Houses, cars, rocks and water are examples of **non-living things**.

Some non-living things are made by humans (**human-made**). Houses and cars are examples of things made by humans.

Some non-living things are found in nature. Rocks and water are **natural things**. They are not made by us.

Living things differ from non-living things in several ways.



Living things need air, water and food. They breathe, grow and move.

Non-living things do not need food, water and air. They do not breathe. They cannot grow or move on their own.

Let us learn more about living things.

LIVING THINGS BREATHE

Living things breathe. They cannot live without air.

Humans and animals like elephants, cows, monkeys and tigers breathe with the help of their lungs.

Look at a sleeping dog. See its chest rise and fall. This tells us it is breathing.

Fish breathe through **gills**. Insects breathe through holes on their bodies.

Plants also breathe. They breathe through tiny holes on their leaves.

Non-living things do not breathe.



LIVING THINGS EAT

All living things need food to live. Plants make their own food using sunlight, water and air. Animals eat plants and other animals.

Non-living things do not eat. They do not need food.



LIVING THINGS FEEL

Human beings and animals can feel heat, cold and pain. They can see, hear, smell and taste things. Plants feel the sunlight falling on them.

Non-living things cannot feel.



LIVING THINGS MOVE

Humans move from place to place. Animals move from place to place in search of food, water and shelter. They also move to protect themselves.

Plants do not move from place to place. The *Mimosa* or touch-me-not plant closes its leaves when touched. Plants grow towards sunlight. Non-living things do not move on their own.

LIVING THINGS GROW

Have you seen pictures of yourself when you were a baby? Do you look the same? No, you have become bigger or grown up. A kitten grows into a cat. A puppy grows into a dog. A sapling grows into a big tree. Living things grow. But non-living things do not grow.



LIVING THINGS REPRODUCE

Living things reproduce. Humans give birth to babies. Animals give birth to baby animals. Birds lay eggs that hatch into baby birds. Many plants reproduce through seeds. Non-living things do not reproduce.



Let's Sum Up

- ❖ We can divide all things around us into living things and non-living things.
- ❖ Living things are natural things.
- ❖ Non-living things can be either natural or human-made.
- ❖ Living things need food, water and air.
- ❖ Living things breathe, eat, move, grow, reproduce and feel.
- ❖ Non-living things do not need food, water and air. They cannot do anything on their own.

Let's Understand

A. Choose the correct answers.

1. Fish breathe through their _____.

a. nose

b. gills

c. airholes

2. Animals move from place to place in search of _____.
 - a. food
 - b. water
 - c. both food and water
3. Non-living things can _____.
 - a. breathe
 - b. feel
 - c. not grow or feel
4. Rocks and water are _____.
 - a. human-made things
 - b. non-living things
 - c. living things
5. Birds reproduce by _____.
 - a. laying eggs
 - b. giving birth
 - c. laying seeds

B. Say if the sentences are true or false.

1. Non-living things move from place to place.
2. Non-living things do not breathe.
3. Non-living things do not need food, water and shelter.
4. Non-living things grow.
5. Non-living things can not reproduce.

C. Answer the questions.

1. What are human-made things? Give two examples of human-made things that can move.
2. Human beings and plants are both living things. Write two ways in which they are different from each other.
3. What are the differences between a ball of wool and a sheep?

Let's Think 

FA

1. Ankit was flying a kite with his father. His younger sister argued that a kite was a living thing as it moved.
Is it a living thing? Give two reasons for your answer.
2. A puppy grows into a dog. A balloon grows big when filled with air. Which of the following statements is correct?
 - a. Both of them are natural and living.
 - b. Both of them are natural and non-living.
 - c. The puppy is natural and living, but the balloon is human-made and non-living.

Let's Learn



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Project

Collect pictures of four living things and four non-living things whose names start with the first letter of your name. Paste them in your scrap book. Write four characteristics of each thing.

Let's Have Fun



FA

Find the following words in the word search grid.

living, natural, mimosa, growth, breathe, feel, reproduce

A	P	E	T	Y	M	D	I	O	A
U	A	D	E	L	I	V	I	N	G
O	B	Y	A	D	M	E	U	D	R
T	R	E	S	X	O	Q	F	T	O
O	E	E	I	T	S	U	E	A	W
N	A	T	U	R	A	L	E	I	T
P	T	A	O	E	D	O	L	U	H
O	H	U	Y	B	R	I	A	Y	O
R	E	P	R	O	D	U	C	E	A
I	U	D	I	B	R	B	E	O	P

Know Your Values



Sara found a drooping plant. What do you think she can do to help the plant live?

Know Your Heritage



According to legend, *sanjeevani* is a life-saving herb. In the Ramayana there is a story in which Hanuman went in search of this herb to bring Lord Ram's brother Lakshman back to life.