

Living or non-living 1

What makes something living?

Living things

Read:

What do you like most about God's creation?
the animals, the plants?...

or do you like the powerful forces of creation like the thunder
and lightning, the sea, the mountains?

God's creation can be grouped into two types of things...**living things and non-living things.**

We can also make two more groups...**the things that God made and the things that man has made.** Of course we must remember that man can only make things out of the materials that God has provided.

What is a living thing?

Write down this definition:

Every living thing must be able to do these things, or it is not living:

1. move by itself
2. grow
3. get food and use food
4. create new beings like themselves. (reproduce)



Living or non-living 2

Let's look at animals.

All animals can move. In fact God gave animals legs, wings and fins to move with. Think about worms and snakes. How do earthworms and snakes move?

All of these are animals:

fish
insects
bacteria

All of these can move, grow, get and eat food, and reproduce.

Human beings

If we look at the definition of a living thing, we would say that a human being is an animal. However, God said that human beings were created to be more important than any other animal. A human being is not an animal, even though we fit the definition. We can do things that animals cannot do. We can love God. We can talk to God. We can give our lives to God and follow Him. An animal cannot do this. God has told us that we must take care of the animals.

What can humans do that animals cannot do?



Living or non-living 3 Plants

What is a plant?

Answer yes or no:

1. Is a plant always green?
2. Is a mushroom a plant?
3. Can you find plants underwater?
4. Can a plant move?



If you were not sure of number 4, **yes**, a plant moves when it grows, or when a flower opens.

Now read about how a plant gets food.

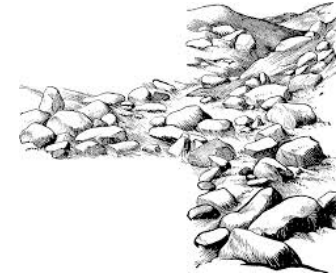
A plant doesn't have a mouth. It doesn't chew food. However it does make its own food out of sunlight and air. It uses carbon dioxide from the air, and with the sunlight, makes its own food.

If you have seen sap from a tree, or the liquid in the stems of plants, then you have seen plant food. This is the sugary food that the plant has made for itself to keep itself alive. The plant uses sunlight and makes food in its green parts. As the plant makes food, it produces oxygen. Oxygen is helpful to people and animals, who breathe in oxygen and breathe out carbon dioxide. Plants and animals need one another. God designed it that way.

What do plants need to make food?
Which part of the plant makes food?
What does the plant give off when it makes food?
Why is oxygen useful?

Living or non-living 4 Non-living things

Non-living things...
do not breathe
do not use food
do not reproduce



Answer yes or no

1. Is a rock living?
2. Is water living?
3. Is lightning a living thing?
4. Is air living?

If you were not sure of number 4, **no**, air is not living. None of these things are living, but God made them all. God knew exactly what living things needed when He created the earth. He created air for us to breathe, water for us to drink, heat and electricity for us to use, gravity, magnetic fields, rocks and soil.

Living things live in non-living things. Write the answers...

What living things can you find in the soil?

What living things can you find in pond water?

What living things can you find in the sea?

What non-living things are found in your house?

Living or non-living 5

Non-living things that were once living

We would say that God made a flower, but we may not say that God made perfume. We would say that perfume is man made. However, man has made perfume from something that God made.

- A flower is living
- Perfume is non-living



Finish the sentence

Here are some more non-living things that were once living. They are all made out of things that God made. Finish these sentences:

Leather is made from.....

Paper comes from

Woolen clothes come from.....

Cotton clothes come from.....

Sausages are made from.....

Take a sheet of paper and draw a line down the middle. On one side make a list of things that were **once living**. On the other side make a list of things that are **now living**. Here are some things to sort out. Add some of your own too.

bread, fresh bananas, cooked meat, cattle, grass, perfume, fresh potatoes, potato crisps, wooden chair, cotton, flowers

Living or non-living 6

Man made things from non-living materials

People make things from non-living things too. Rock and soil contain many minerals. Minerals are things like metals, crystals and precious stones.

Glass is made from sand.
Plastic is also made from minerals.

Make a list of some items in your home that are made from non-living materials.



Draw pictures of some of the non-living things that God has made.

Take a sheet of paper. Draw a line down the middle. On one side make a list of **living things**. On the other side, make a list of **non-living things**.

Here are some to sort out. Add some of your own too.

plants, sheep, paper, fresh apples, sausages, glass, plastic, salt, sugar, rocks, bacteria, fish, birds, insects, honey, metal, plates