

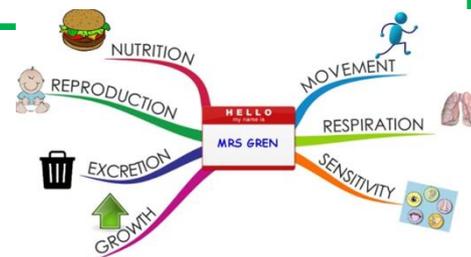
**L.O:** To identify and compare things that are living, dead and have never lived.

**S.C:** I understand and can explain some life processes.

I can find things that are alive, dead or have never lived.

I can give reasons for my answers.

**Life processes:** These are the 7 processes all living things do - movement, reproduction, sensitivity, nutrition, excretion, respiration and growth.



**Animals:** are one of a large group of living things that can move around by themselves to find food.



**Plants:** are one of a large group of living things that use sunlight to make their own food. Most plants have leaves, stems, roots and either flowers or cones.



**Sensitivity:** having an awareness and understanding of your surroundings



**Respiration:** the process of breathing

**Nutrition:** All the things inside your food including vitamins, fats, protein and sugars.



# Life Processes

All living things do certain things to stay alive.

These are called **life processes**.

**Animals**, including humans, do these things.



**Plants** do too, although they do them in different ways.



Characteristics of living things

**M**ovement

**R**espiration

**S**ensitivity

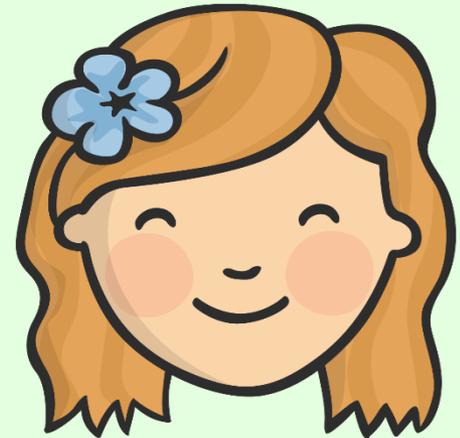
**G**rowth

**R**eproduction

**E**xcretion

**N**utrition

**MRS GREN**



Use **Mrs Gren** to help you remember the life processes.

**Movement:** All living things move.



A hare runs to escape from danger.



A sunflower moves to turn its face towards the sun.

**Respiration:** All living things use oxygen in the air.



Mammals breathe through their mouths and noses.



Plants take in and give out gases through their leaves.

**Sensitivity:** All living things can respond to changes in their surroundings.



Animals use their senses to see, hear, taste, touch and smell the world around them.



If a plant is in a dark place, it will try to move to where there is light!

**Growth:** All living things grow. Animals grow from babies to adults and seeds grow into plants.



This ocean mola started life as a tiny egg. It will grow to the size of a bull!



Bamboo can grow up to 3cm every hour.

**Reproduction:** All living things make more of their own type - humans and other animals have babies, birds lay eggs and plants make seeds.



A wolf spider has babies on her back.



Each seed contains a tiny miniature plant ready to grow.

**Excretion:** all living things get rid of waste - like when humans go to the toilet.



Plants use their leaves to get rid of waste.

**Nutrition:** animals will eat food for energy and nutrients, plants will suck up goodness from the soil and make their own food using sunlight.



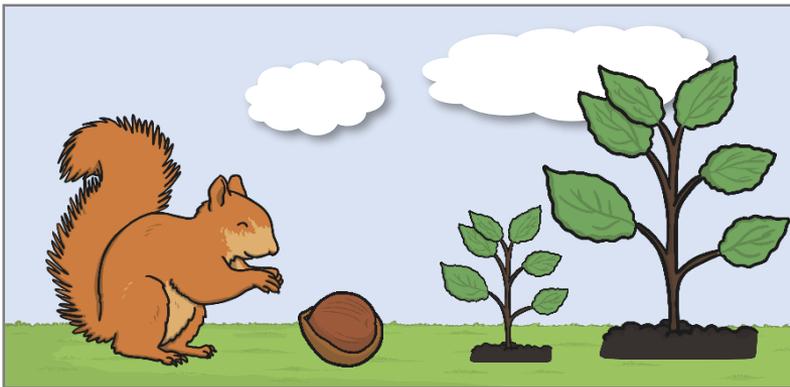
Some animals eat plants, and some eat other animals. Bears eat both, like people!



Green plants make their own food using the energy from the sun.

# Living or Not?

- **Living things** have life processes.
- They need food, water and air to stay alive.
- They can sense changes in the environment.
- They can move, grow and reproduce.



- **Non-living things** can be things that were once living or part of a living thing, or they can be things that have never been alive.
- They do not need food, water or air.
- They cannot reproduce.

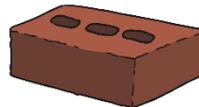
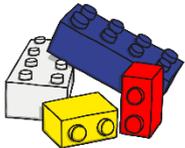
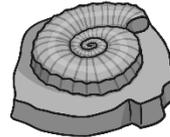


# Dead or Never Alive?

Many non-living things have never been alive but some of them were once part of a living plant or an animal.

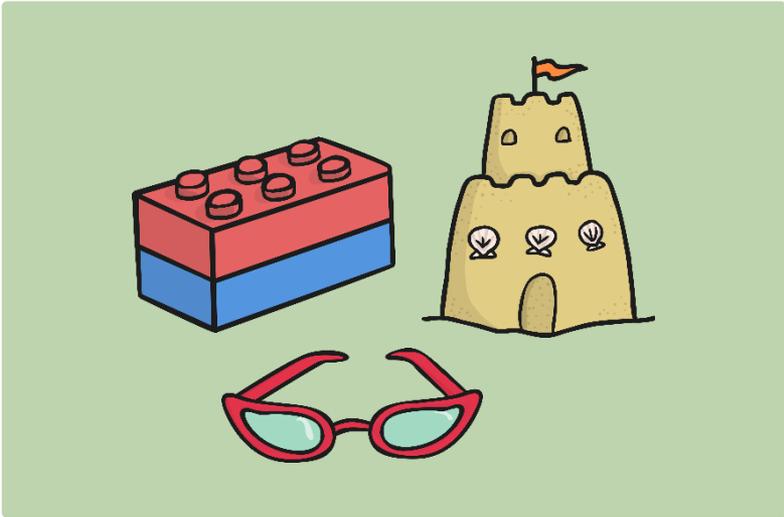
Which of these non living things are dead, and which were never alive?

It may help to think of what the thing is made from.

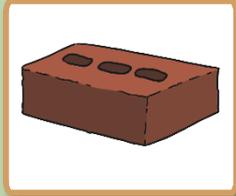
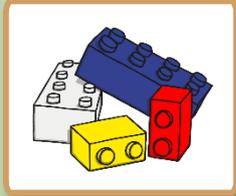


# Dead or Never Alive?

Things made of materials like metal, rock, plastic, glass and sand have never been part of a living thing.



## Never alive



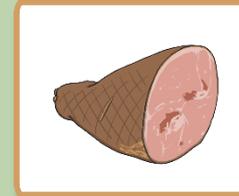
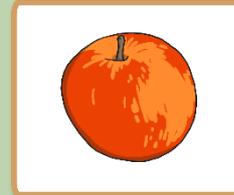
# Dead or Never Alive?

All of these things are non-living, but they used to be part of a living thing.

Which living thing were they part of?



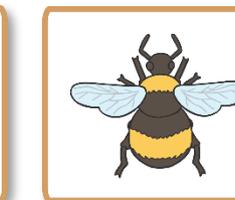
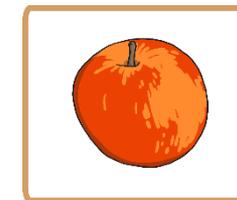
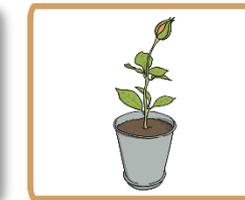
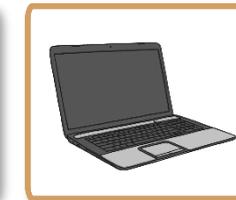
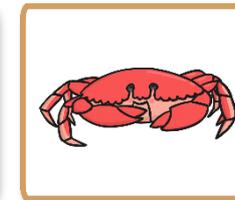
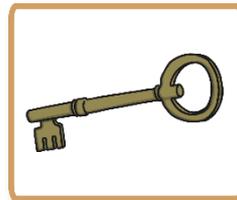
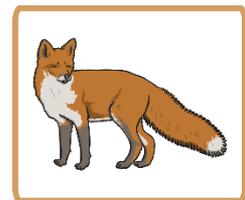
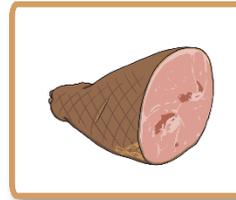
Dead



# Activity - Skills

Draw a table like this one and sort the pictures. One row has been done for you:

Alive	Dead	Never Alive
bee	Apple	ball



# Activity - Core and Extension

Draw a table like this one and sort the pictures.  
One row has been done for you:

Alive	Dead	Never Alive
bee	Apple	ball



Then choose one picture that is **alive**, one that is **dead** and one that has **never lived**. Write a few sentences to explain why you think the picture is of something alive, dead or something that has never lived. Below is an example:

*I think an apple should be in the dead group because it once lived on a tree where it would need food made by the tree, air and water to grow and survive. However, now it is dead as it can no longer breath, eat or grow.*