



# Science

## Living Things and Their Habitats

# Living, Dead or Never Alive



# Aim

- I can compare the differences between things that are living, dead and have never been alive.
- I can answer questions about things that are living, dead or have never been alive.

# Success Criteria

- I can explain some of the life processes.
- I can explain how life processes can tell us if something is living, dead or has never been alive.
- I can say if something is living, dead or has never been alive.
- I can give reasons for my answers.



# I'm Alive!

We are all alive!

What do we do that lets us know we are alive?



# Life Processes

All living things do certain things to stay alive.

These are called life processes.

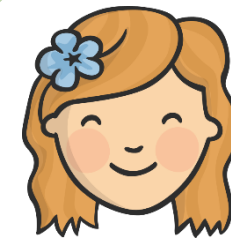
Animals, including humans, do these things.



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



We can remember these things by thinking about Mrs Gren .



# Life Processes

Characteristics of living things

**M**ovement

**R**espiration

**S**ensitivity

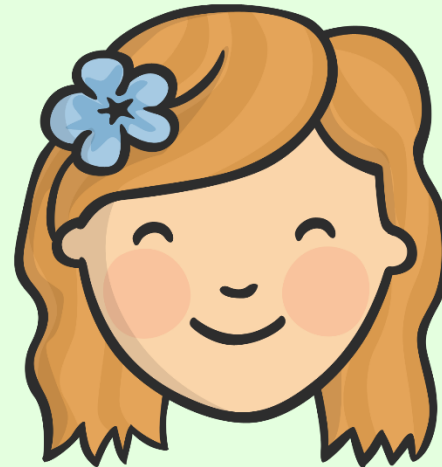
**G**rowth

**R**eproduction

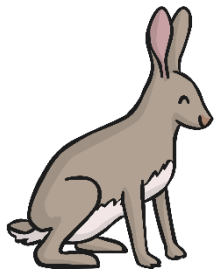
**E**xcretion

**N**utrition

**MRS GREN**

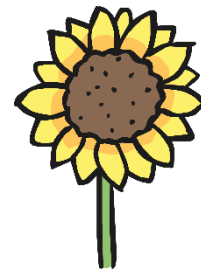


# Life Processes



A hare runs to  
escape from danger.

A sunflower moves to  
turn its face towards  
the sun.



# Life Processes



Mammals breathe through their mouths and noses.



Plants take in and give out gases through their leaves.



# Life Processes



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



Plants can also detect changes in the environment. This mimosa plant curls up when you touch it!

# Life Processes



This ocean mola started life as an egg not much bigger than a full stop. It will grow to weigh about 1000 kg- this is the same size as a large bull!



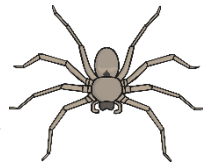
Bamboo can grow up to 3cm every hour.



# Life Processes



This wolf spider has  
her babies on her back.

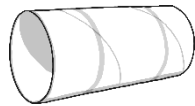


Each seed contains a tiny  
miniature plant ready to grow.

# Life Processes



How do you get rid of waste products from your body?



Left over gases and water leave plants through their leaves.



# Life Processes



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.

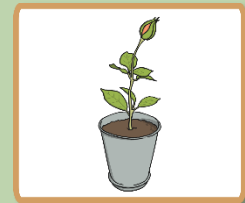
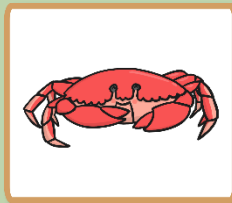
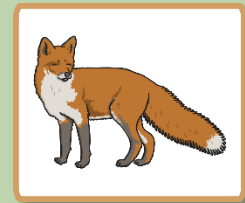


# Living or Not?

Which of these are living?

Which are non-living?

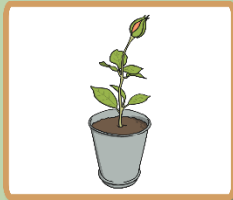
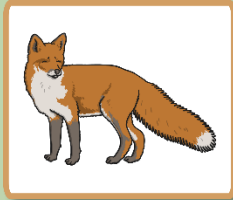
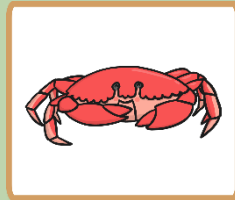
How can you tell?



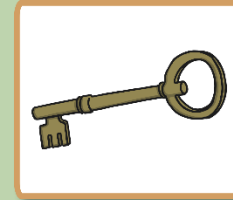
# Living or Not?



Living



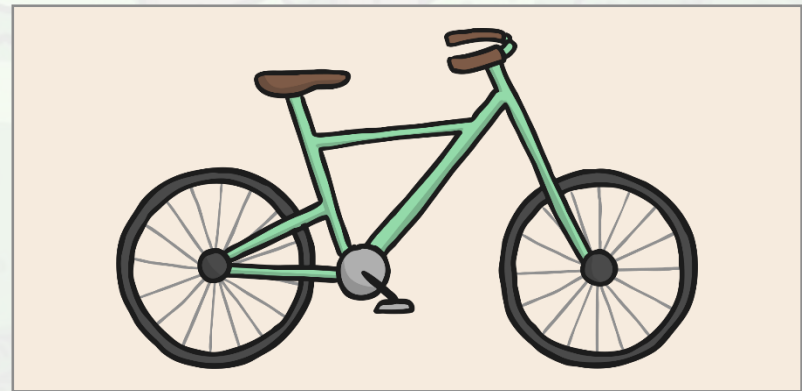
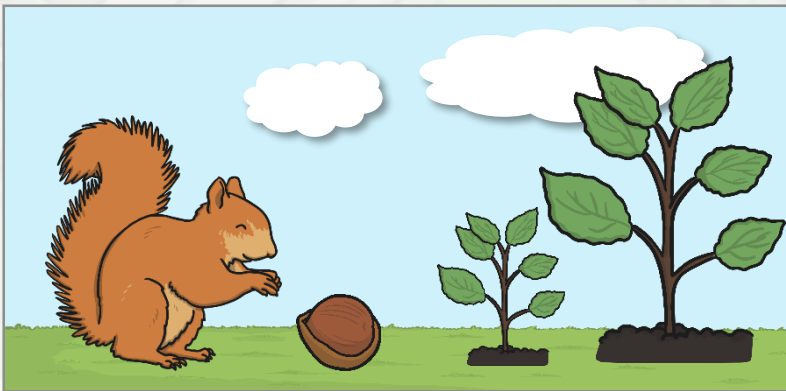
Non-living



# 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.

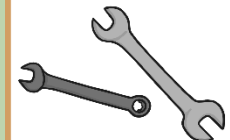
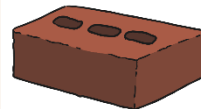
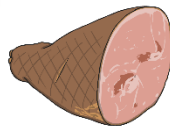
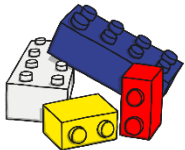
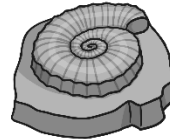


# Dead or Never Alive?



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

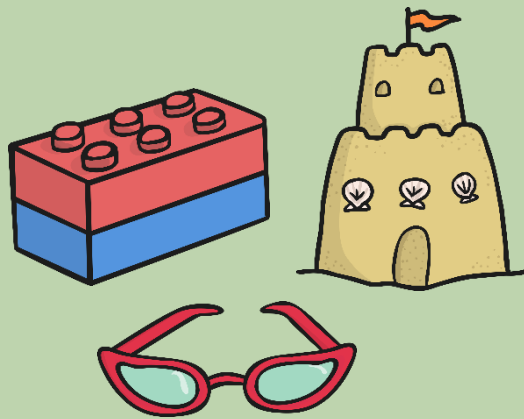
Which of these non living things are dead, and which were never alive? It may help to think of what the thing is made from.



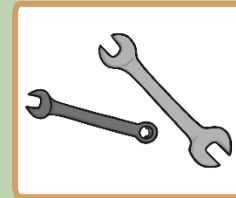
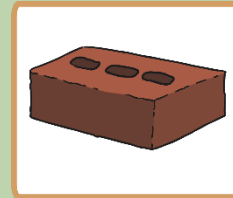
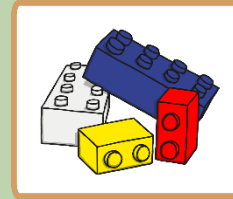
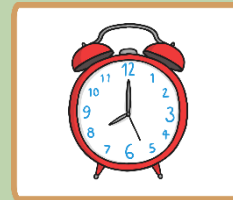
# Dead or Never Alive?



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?

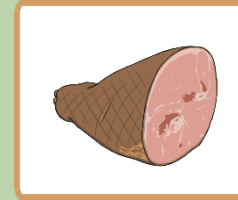
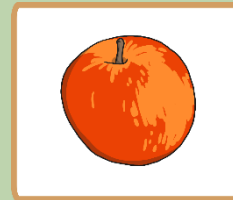


All of these things are non-living, but they used to be part of a living thing.

Which living thing were they part of?



Dead



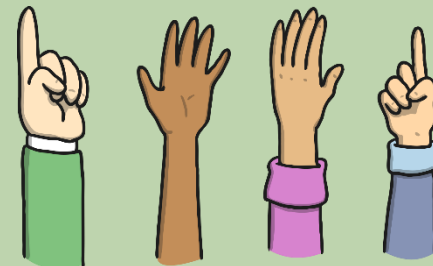
# How Can You Tell?



Is this teapot living, dead or has it never been alive?



How can you tell?

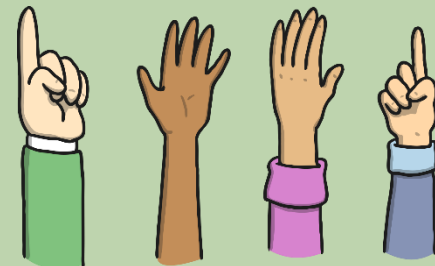
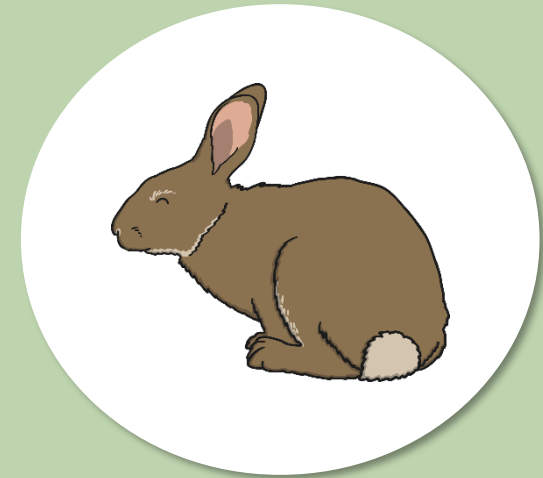


# How Can You Tell?



Is this rabbit living, dead or has it never been alive?

How can you tell?

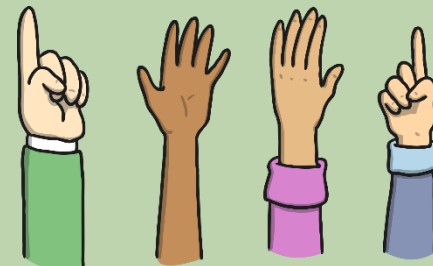


# How Can You Tell?



Is this pinecone living, dead or has it never been alive?

How can you tell?



Remember Mrs Gren!

Characteristics of living things

**M**ovement

**R**espiration

**S**ensitivity

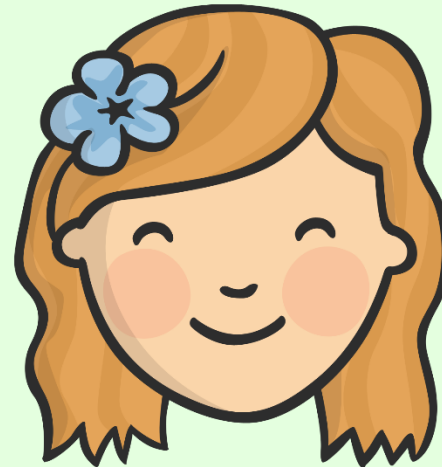
**G**rowth

**R**eproduction

**E**xcretion

**N**utrition

**MRS GREN**



# Which One Am I?



Living, Dead or Never Alive



ATtribution - Photo courtesy of Alden Chadwick, Sergey Galyonkin and Szilvka Robert (@flickr.com) - granted under creative commons licence - attribution

# Which One Am I?



Living, Dead or Never Alive



ATtribution - Photo courtesy of Jan, Mike Fleming and Carolyn Tiry (@flickr.com) - granted under creative commons licence - attribution

# Which One Am I?



Living, Dead or Never Alive



ATtribution - Photo courtesy of Steven Depolo, tripb and kirybabe (@flickr.com) - granted under creative commons licence - attribution

# Aim

- I can compare the differences between things that are living, dead and have never been alive.
- I can answer questions about things that are living, dead or have never been alive.

# Success Criteria

- I can explain some of the life processes.
- I can explain how life processes can tell us if something is living, dead or has never been alive.
- I can say if something is living, dead or has never been alive.
- I can give reasons for my answers.

