

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

Movement

Respiration

Sensitivity

Growth

Reproduction

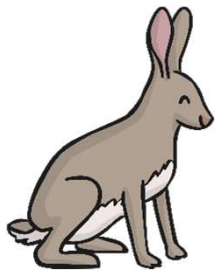
Excretion

Nutrition

MRS GREN

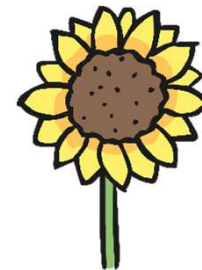


Life Processes



A hare runs to escape from danger.

A sunflower moves to turn its face towards the sun.



ATtribution - Photo courtesy of Don DeBold and Scott Hudson (@flickr.com) - granted under creative commons licence - attribution

Life Processes



Mammals breathe through their mouths and noses.



Plants take in and give out gases through their leaves.



ATtribution - Photo courtesy of Tambako the Jaguar and Waledro (@flickr.com) - granted under creative commons licence - attribution

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!

ATtribution - Photo courtesy of Domenico Salvagnin and Carnat Joel (@flickr.com) - granted under creative commons licence - attribution

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!



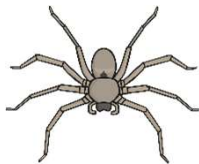
Bamboo can grow up to 3cm every hour.



Life Processes



This wolf spider has
her babies on her back.



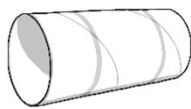
Each seed contains a tiny
miniature plant ready to grow.

ATtribution - Photo courtesy of Ralph Arvesen and U.S. Department of Agriculture (@flickr.com) - granted under creative commons licence - attribution

Life Processes



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



Left over gases and water leave plants through their leaves.



ATtribution - Photo courtesy of boxface and Pranav Yaddanapudi (@flickr.com) - granted under creative commons licence - attribution

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.

ATtribution - Photo courtesy of Christoph Strassler and NielsWPhotography (@flickr.com) - granted under creative commons licence - attribution

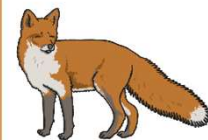
Living or Not?



Which of these are living?

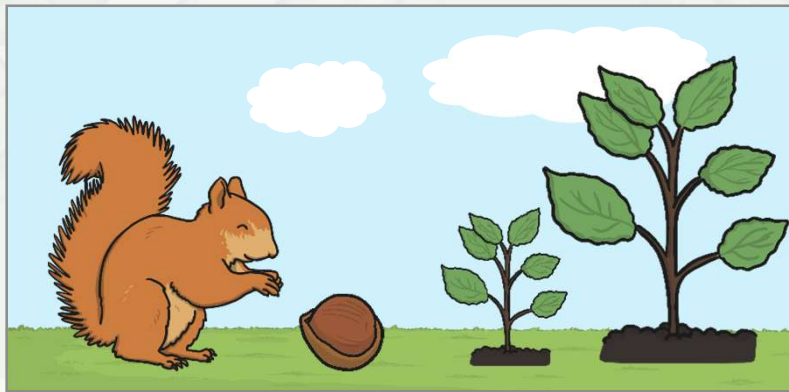
Which are non-living?

How can you tell?



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.

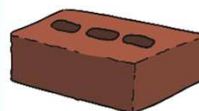
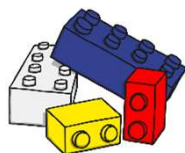


Dead or Never Alive?



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.



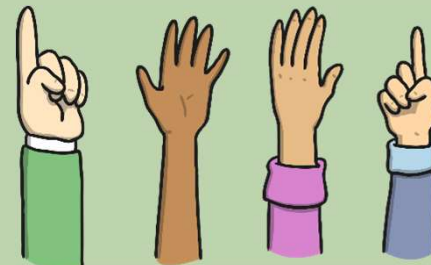
How Can You Tell?



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



How can
you tell?

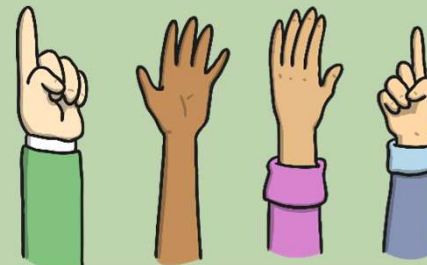
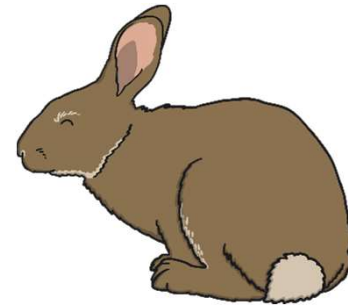


How Can You Tell?



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

How can
you tell?

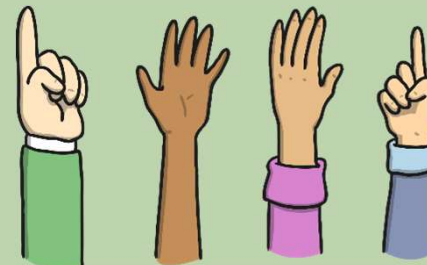


How Can You Tell?



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

How can
you tell?



My Habitat: Living, Dead or Never Alive



Your home is your habitat. Think about the things in your habitat that are living, dead or have never been alive. Draw at least five things in each box.

Living	Dead	Never Alive