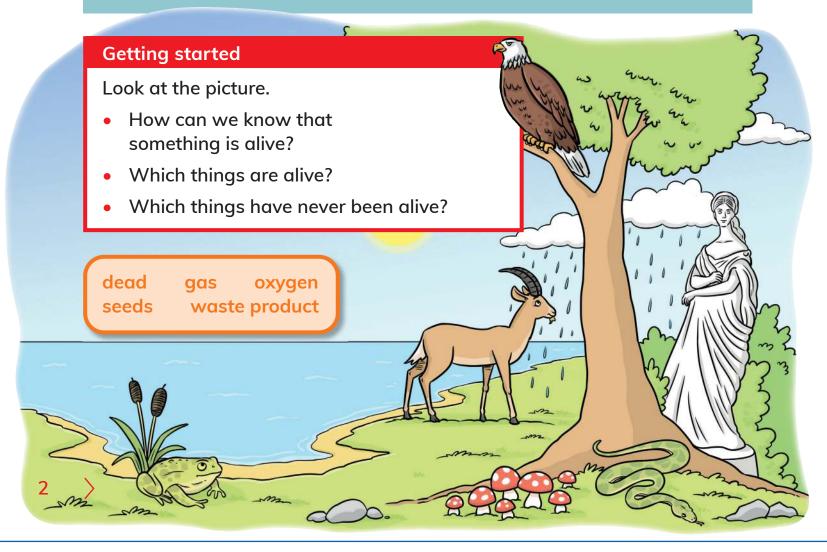


Plants are living things

> 1.1 Alive or not alive?

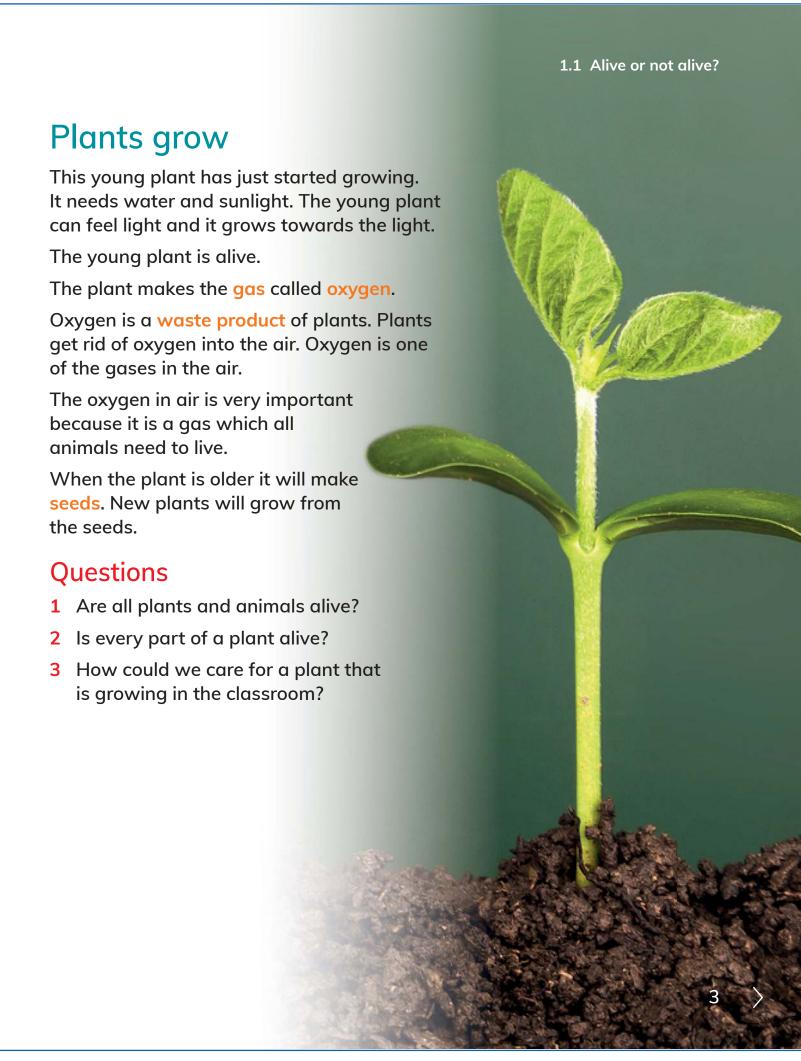
We are going to:

- find differences between things that are living, were once alive and that have never lived
- use seven rules to see if something is alive or not
- learn about scientific enquiry
- learn how to classify things
- collect and record observations.





More Information





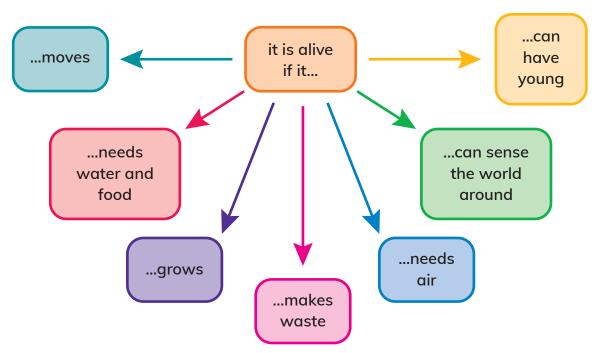
More Information

1 Plants are living things

Seven rules: alive or not alive?

Each day you see animals and plants that are alive. You also see materials like wood and straw that were once part of a living thing. Other materials, like sand, have never been alive.

Try using these seven rules to see if something is alive. Living things do all seven!



Think like a scientist 1

Alive or not?

You will need: a plant, a bare branch, a plastic plant, a block of wood, a piece of rock

With a friend talk about these things. Describe each one. What is it made of? Where did it come from?

Is it alive or not alive? Use the seven rules to help you.

4





1.1 Alive or not glive?

Continued

Record what you think in a table.

This was a science enquiry because you were identifying and classifying things.

Object	What is it made of?	Is it alive or not alive?	
A rock	rock	not alive	

How am I doing?

Show other people your table. Do they agree with you?

Think like a scientist 2

Alive, once alive or never alive?

You will need: access to the school grounds, pencil

Look around the classroom and in the school grounds. Copy and complete this table to record things that:

are alive now

have never been alive.

were once alive

The seven rules will help you.

Object	Once was alive	Alive	Not alive	Because
two plants in the school library		√		they grow, need water, air and food, make waste and can sense the world

This activity was a science enquiry because you were identifying and classifying things.





When do leaves die?

Sometimes it is hard to say if something is alive or not.

Are these leaves alive?

The plant is alive so all the leaves on the plant are alive.

Some leaves have fallen off. They are not part of a living thing.

Some dead leaves on the ground are yellow and dry.

Even the green leaves on the ground are now dead because they are not part of a living thing.



1.1 Alive or not alive?

Think like a scientist 3

Are these things alive?

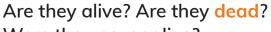
You will need: a branch, a block of wood, photos of chicken, meat and fish, seeds, a freshly picked fruit, a fossil

Wash your hands after handling the materials.

Scientists identify and classify things.

Scientists do this to see patterns and ask questions.

Look at these photos and the things listed above.



Were they never alive?



Think about each thing.

Does it or did it:

- grow?
- move?
- need water and food?
- make waste?
- have young?
- sense the world around?



More Information

1 Plants are living things

Continued

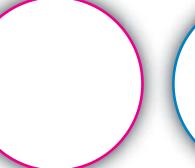
Group the things in one of these three groups.

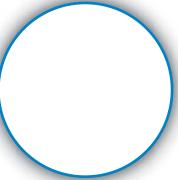
Copy three circles like these and label them.

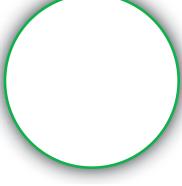
Draw each thing and write its name in the right circle.

once living but not now living

never alive







This activity was a science enquiry because you were identifying and classifying things.

Activity

Making posters

Make two posters using the headings shown on the right. Use drawings and words in your posters.

Things that are alive...

We know they are alive because...

Things that are not alive...

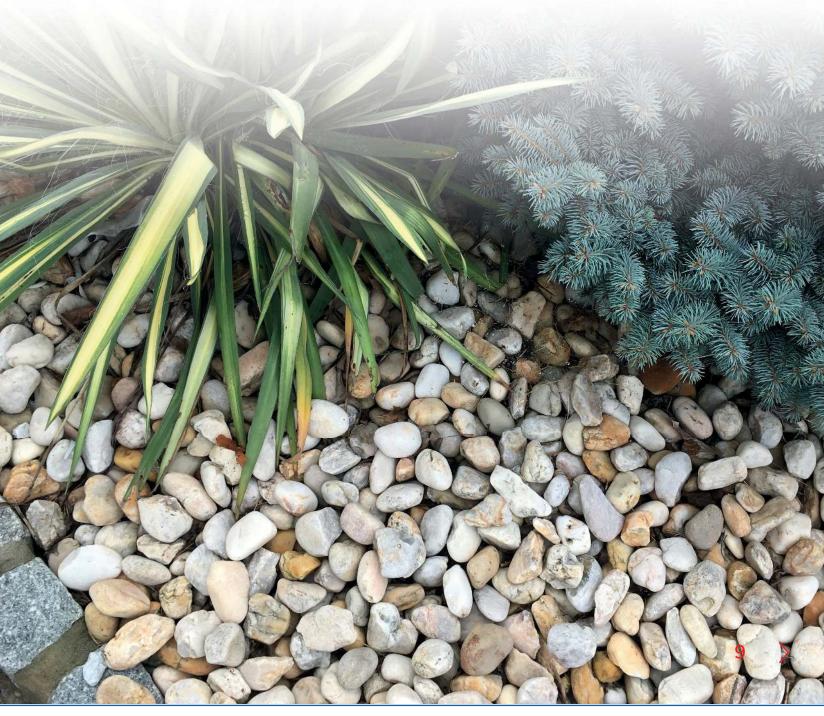
We know they are not alive because...



1.1 Alive or not alive?

Look what I can do!

- I can find differences between things that are living,
 things that were once alive and things that have never lived.
- I can use seven rules to see if something is alive or not.
- I know about the types of scientific enquiry.
- I can classify things.
- I can collect and record observations.

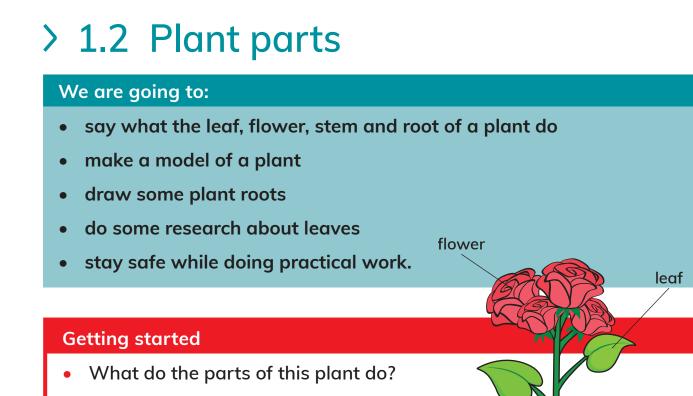


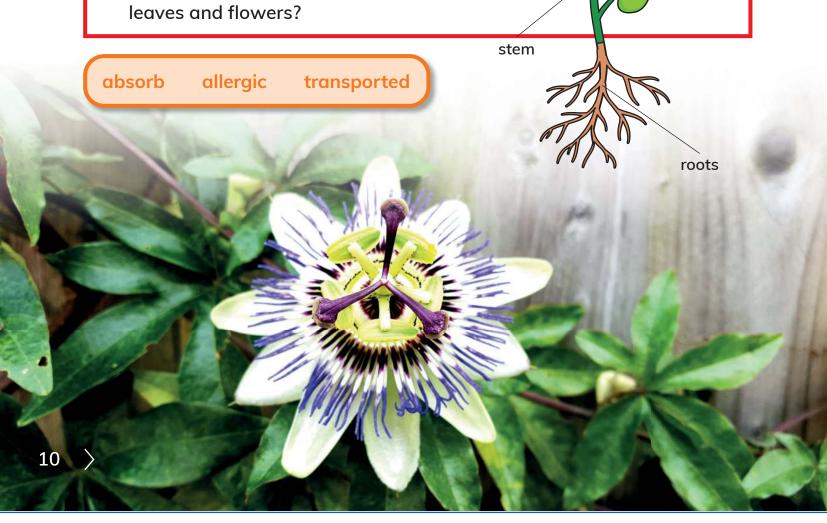


The plant has one main stem.

Why does the plant have many roots,

1 Plants are living things







1.2 Plant parts

Roots, stems, leaves and flowers

Some plants are very small and some are very big. Most plants begin life as seeds which then grow.

