



Unit 1

**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.

Getting started

How can we know that something is alive?

Things that are alive do the following: breathe, move, have young, make waste, need food and water and can sense the world.

Which things are alive?

Humans, animals and plants.

Which things have never been alive?

Rocks, plastic, stones and many other things.



Which things are alive?

Grass, plants, reeds, tree, eagle, antelope, snake, frog, fungus are alive.

Which things have never been alive?

The marble statue, rocks, ocean, clouds and sky have never been alive.

gas

seeds

dead

oxygen

Waste product

Plants grow

This young plant has just started growing.

It needs water and sunlight .The young plant can feel light and it grows towards the light.

The young plant is alive.



The plant makes the **gas** called **oxygen**.

Oxygen is a **waste product** of plants.

Plants get rid of oxygen into the air.

Oxygen is one of the gases in the air.

The oxygen in air is very important because it is a gas which all animals need to live.

When the plant is older it will make **seeds**. New plants will grow from

Questions

Are all plants and animals alive?

Yes, all plants and animals are alive.

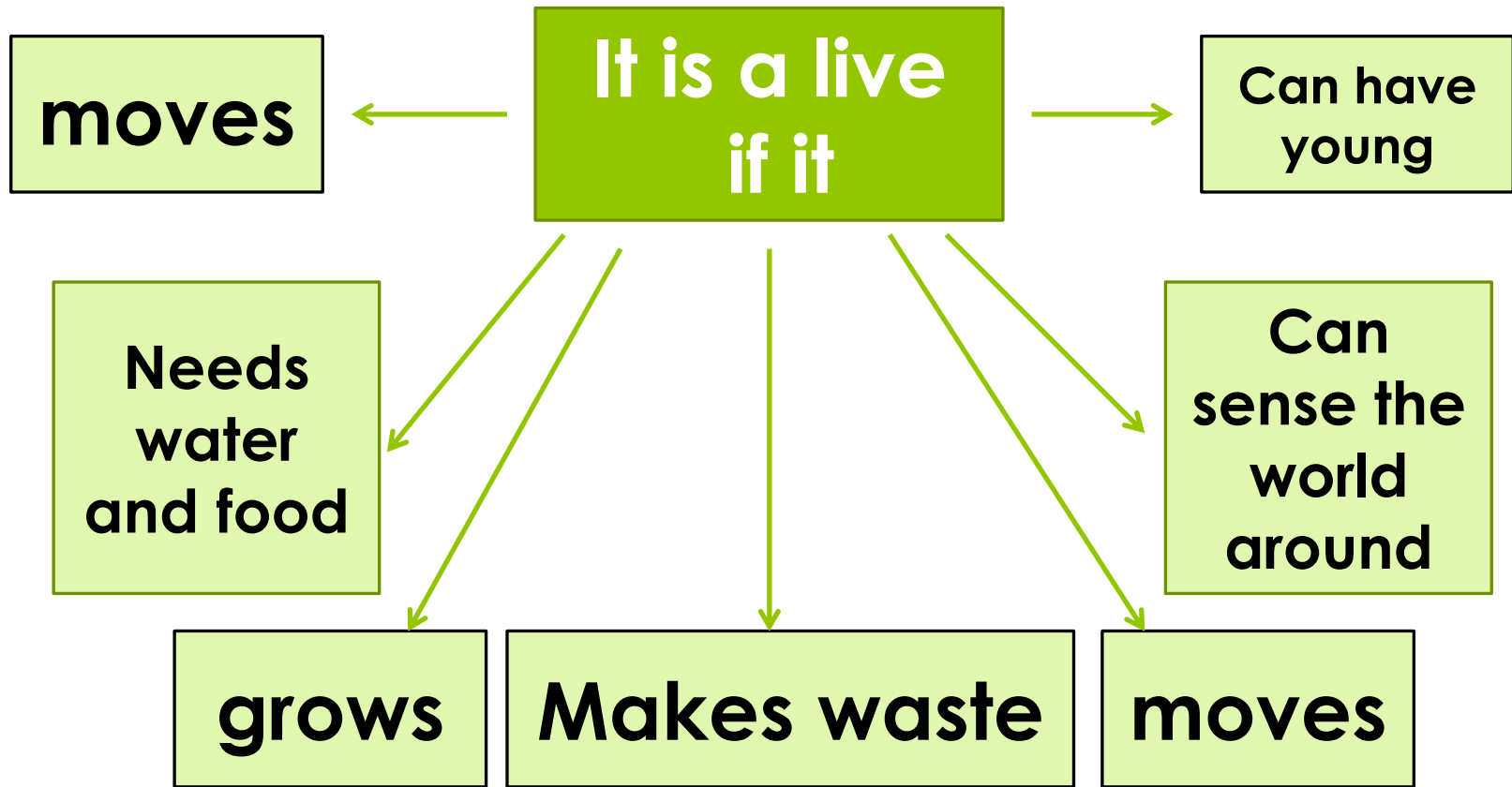
Is every part of a plant alive?

Yes.

How could we care for a plant that is growing in the classroom?

We could care for a plant growing in the classroom by making sure it is warm enough and has enough light and water.

Seven rules: alive or not alive?



Living things do all seven!

When do leaves die?

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.

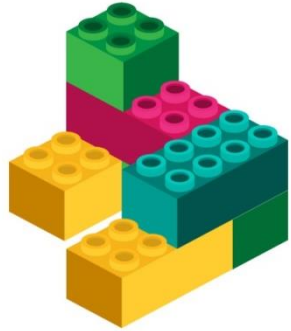


Challenge

Look at the pictures below.



Wood



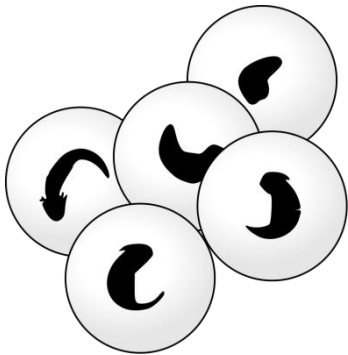
PLASTIC BUILDING BLOCK



rain



fan



Frog spawn



crab



rock



tree

Sort the things shown into the three groups shown in the table below.

Living things	Things that were once alive	Things that have never been alive
Frog spawn Crab Tree	Wood	Rain Fan Rock Plastic building block

Look at the pictures below.



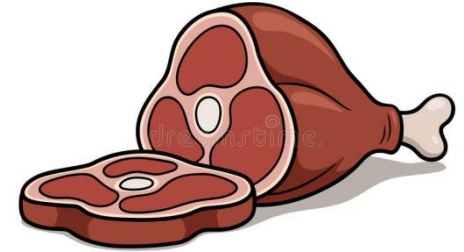
rock



snail



Wood



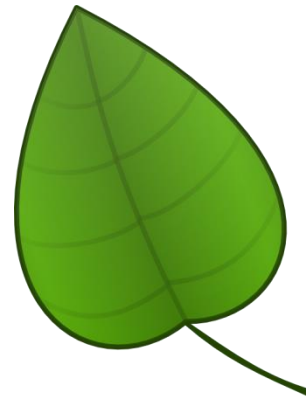
meat



seeds



fruit



leaf



fossil

Sort the things shown into the three groups shown in the table below.

Living things	Things that were once alive	Things that have never been alive
Seeds Snail	Wood Meat Leaf Fruit	Rock Fossil