

Unit 1L.1: Characteristics of living things



- Living things and non-living things
- Characteristics of living things
- Parts of plant
- Needs of plants

Science skills

- observing

By the end of this unit you should:

- State some of the ways in which living and non-living things differ.
- Know the needs and characteristics of living things.
- Recognize the basic parts of a plant.
- Know that green plants need water, air, sunlight and a good soil to grow properly.

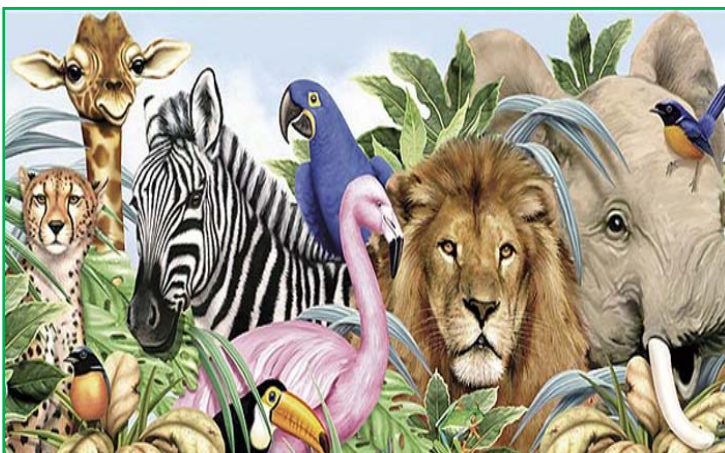
Living things and Non-living things

Living things

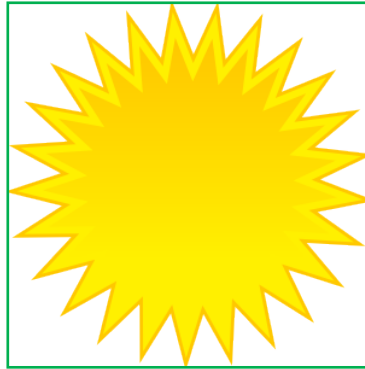


People, animals, birds and plants are living things.

Living things need food, water and air to grow and survive.



Non-living things



These are non-living things.

Non-living things **do not** need food, water and air because they do not change or grow with time.



Activity (1): What do living things need?

Living things need these things to grow.

Match the words with the pictures.



water



shelter



food



air

Activity (2): What do living things need?

Fill in the blanks choosing the correct words from the box.

food water shelter air sunlight

1. Living things need _____ to drink.



2. Living things need _____ to eat.



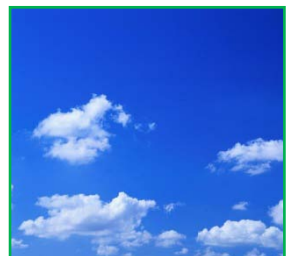
3. Living things need _____ to live.



4. Plants need _____ to grow.



5. All living things need _____ to breathe.



Characteristics of living things

What can living things do?



All these are living things. They may look different but they have the similar characteristics.

A living thing can **grow**.

A living thing can **move** on its own.

A living thing can **produce young ones**.



Science skills: Observing

Observe your **LIVING** class pet and the **NON LIVING** doll carefully.

See how they are different; this will help you fill in the blanks below.



1. Living things _____ V _____ on their own.



2. Living things _____ R _____ bigger with time.



3. Living things can _____ R _____ D _____
y _____ .



Vocabulary:

living things
non-living things
food
water
air
sunlight
shelter
breathe
grow
move
young
adult



Key ideas:

- Things around us can be grouped into living and non-living things.
- People, animals and plants are living things.
- Living things need food, water and air.
- Living things can move on their own.
- Living things can grow.
- Living things can produce young.
- Non-living things do not need food, water and air.
- Non-living things do not change with time.

Key question:

Fill in the blanks with the help of the given clues:

A sheep is a living thing.

It needs **f** _____ ,
w _____ and **a** _____ to
 stay alive.

So, it **e** _____ food.

It **d** _____ water.

It **b** _____ in air.

**Project:**

Make a booklet on living things showing how they are different from non-living things.

Make sure to include:

Pictures (draw and cut from magazines etc), diagrams, and the points mentioned in the 'key ideas section'.

Use lots of examples!

1.6.2

Parts of plant

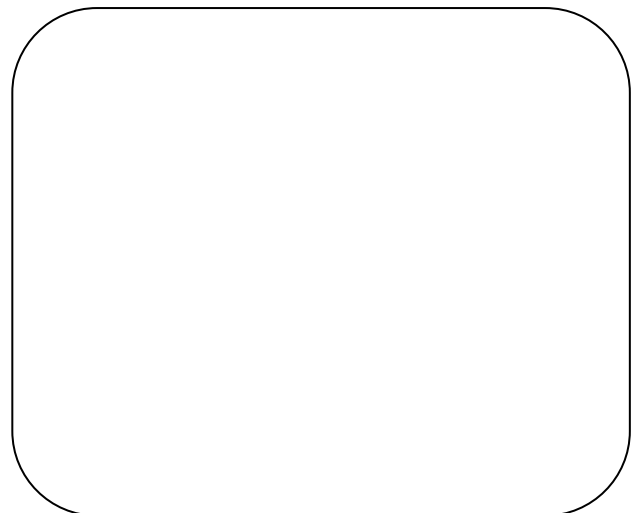
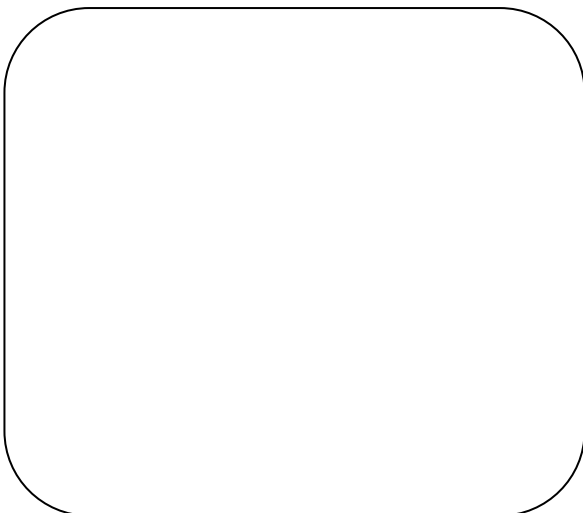
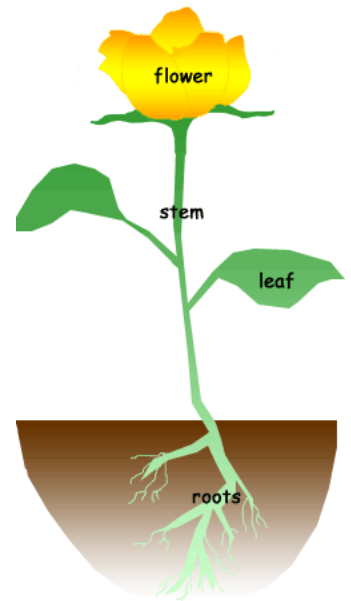
Science skills: Observing.

What you will need:

- Plant

What should you do:

- Observe the parts of the plant carefully.
- Draw each part and label them.





All plants have the following parts.

Roots

Stem

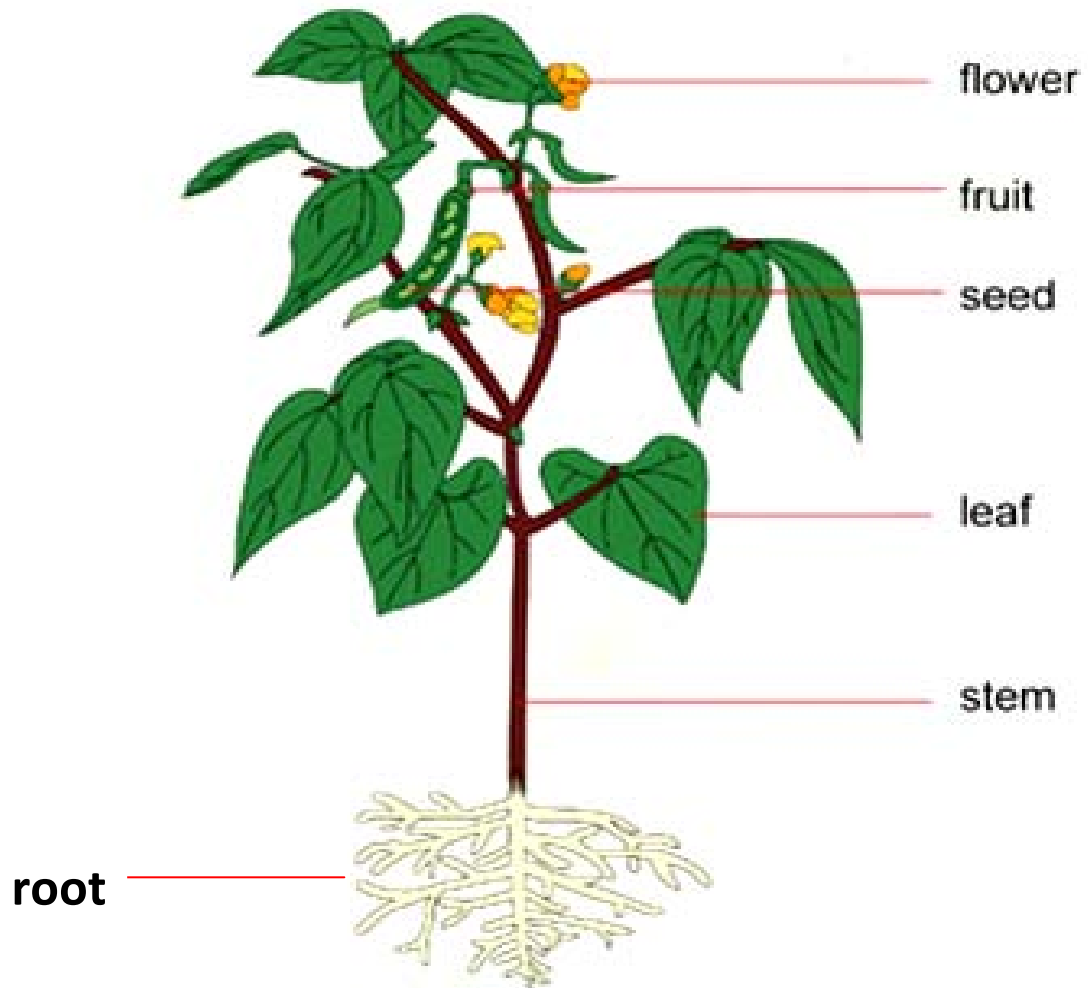
Leaves

Flowers

Fruits

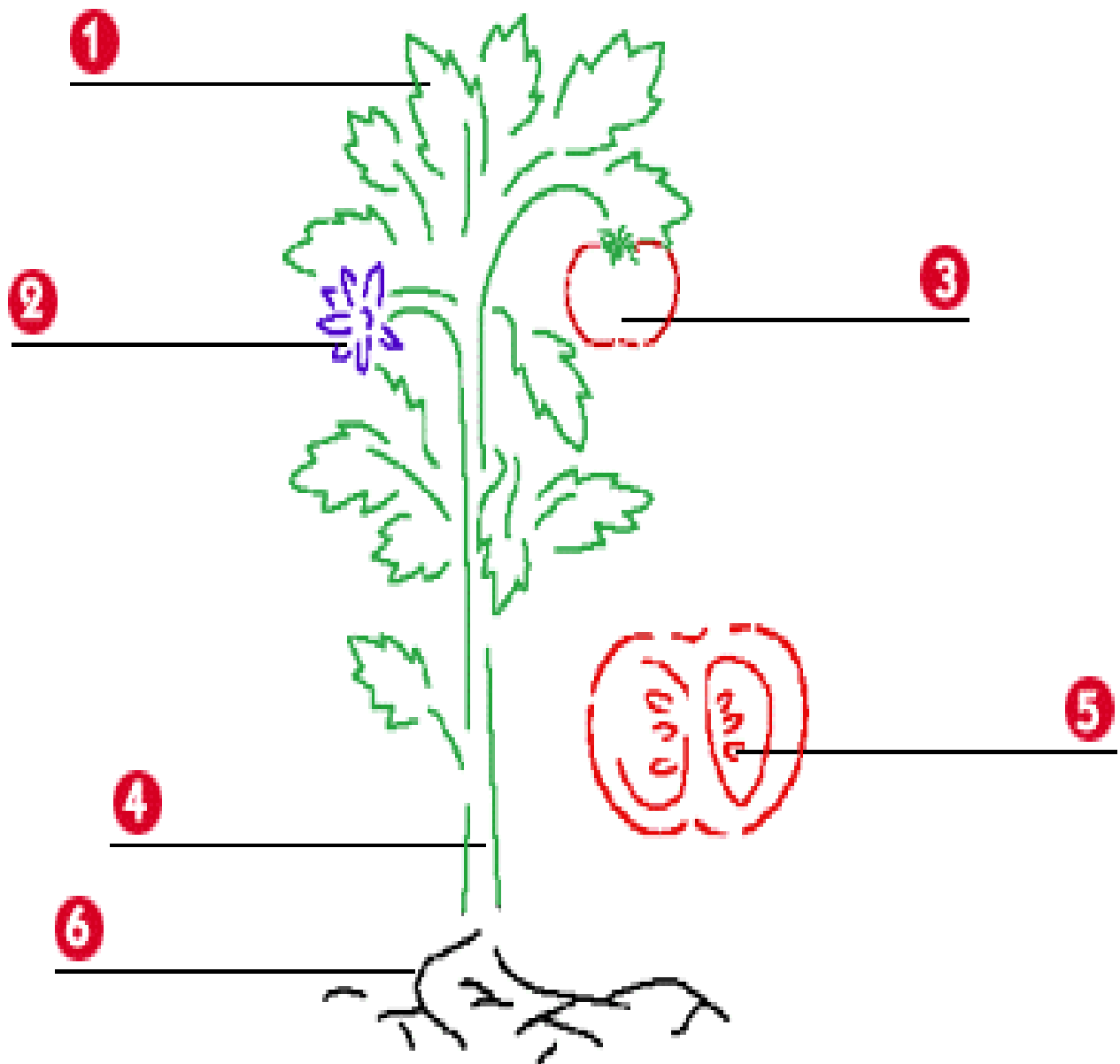


Parts of plant



Activity (1):

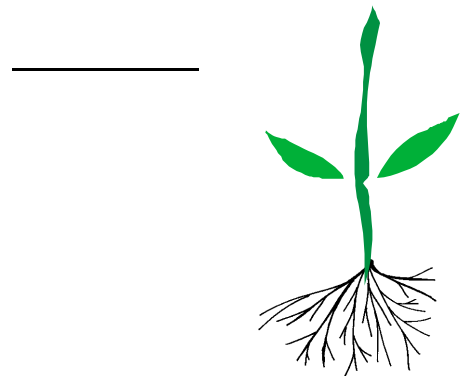
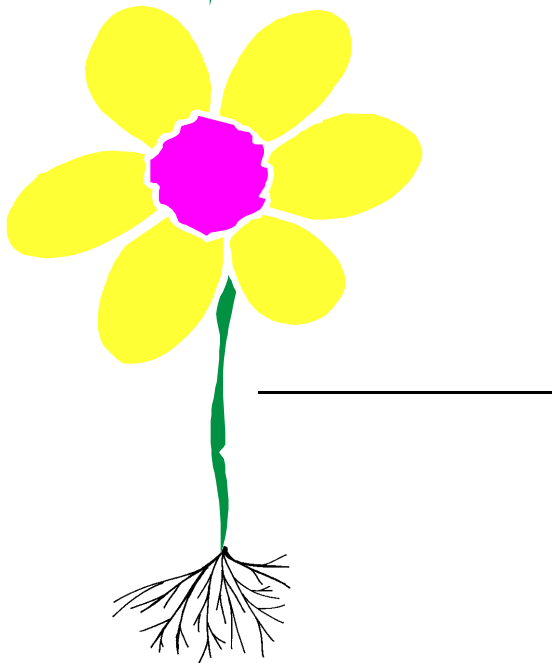
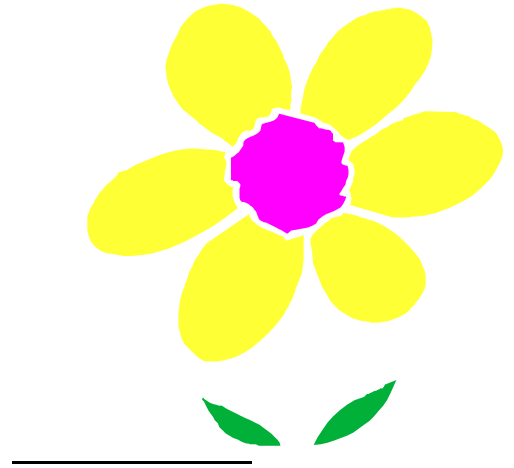
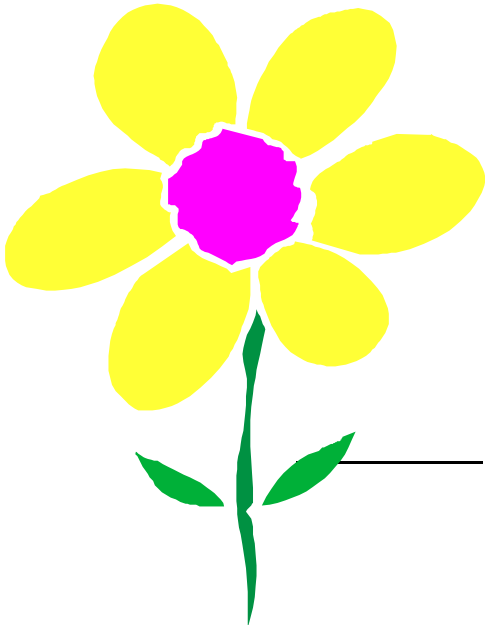
Colour the (1)leaves green (2) the flower yellow, the(3) fruit red, the (4) stem dark green, and the(6) roots brown.



Activity (3):

Draw and write the name of the missing part

flower leaves roots stem

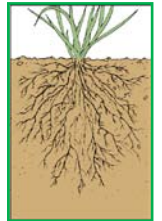


Functions of different parts of a plant

Different parts of the plant do different jobs:

1. Roots:

Roots hold the plant in the soil.
They also absorb water from the soil.



2. Stem:

The stem holds up the plant and keeps it straight.



3. Leaves:

The leaves make food for the plant.



4. Flowers:

The flower makes seeds.



5. Fruit:

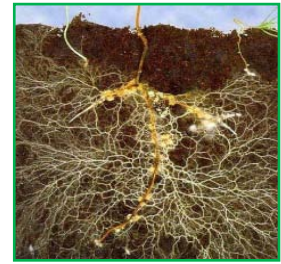
The fruit holds the seeds for the plant.



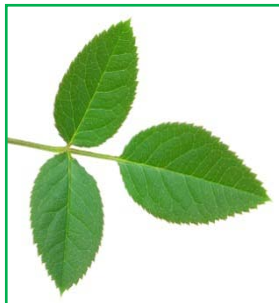
Activity (4):

Read the following statement and circle the correct picture.

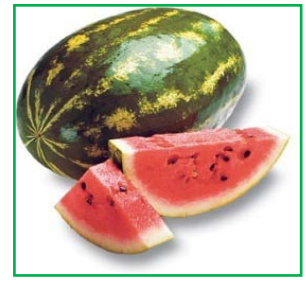
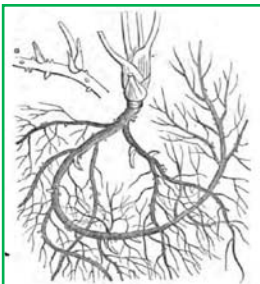
i. This part absorbs water from the soil.



ii. It keeps the plant upright.



iii. It makes food for the plant.



Needs of plants

What do plants need?

Plants need these things to grow:



Water



Sunlight

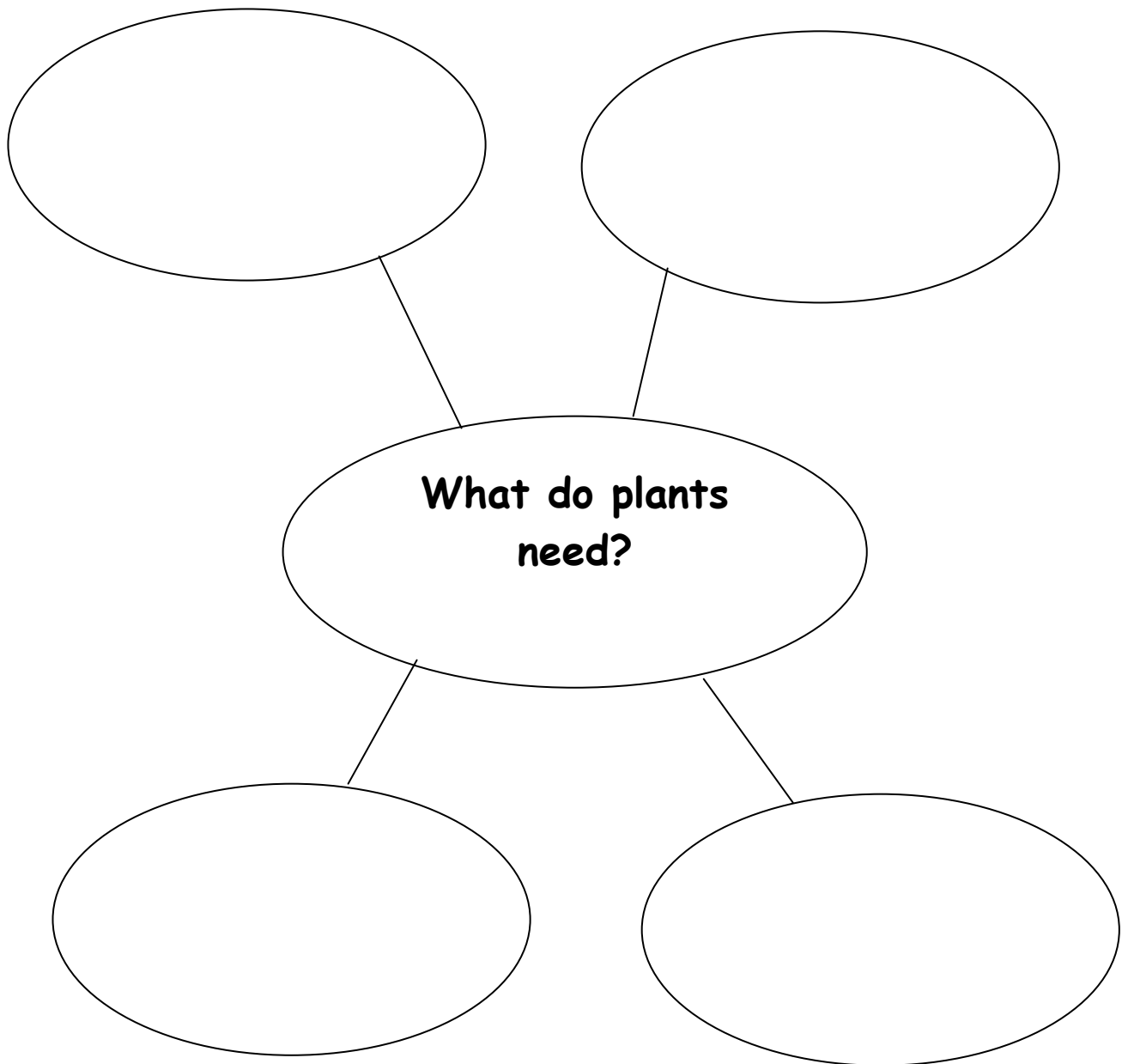


Air

Soil

Activity: (1)

Write the four things plants need to grow and draw a small picture of each need:

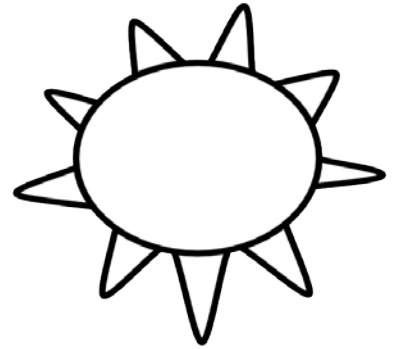
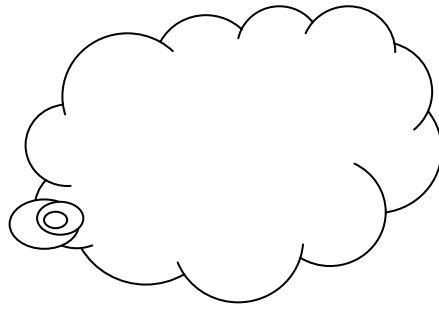


Activity: (2)

Look at the given picture.

Colour the things which a plant needs to grow.

Fill in the blanks at the bottom of the page.



s _ _ _ l _ _ _ g _ _ _ t

_ _ i _ _

w _ _ t _ _ r

_ _ o _ _ l

Key words:

- roots
- stem
- leaf
- flower
- fruit
- seed
- air
- water
- sunlight
- soil

Key ideas:

- The basic parts of the plant are roots, stem, leaves, flower and fruit.
- Plants need sunlight, water, air and a good soil to grow properly.

Project:

Make a plant scrapbook

Collect pictures of plants -different types!

Paste them on an A3 or A4 piece of paper

Below each picture write:

- Name of the plant.
- Whether it is big or small.
- Where it mostly grows.
- Try and label the parts on your picture as much as possible.