

Name: key answer

Grade 2 ( )

Date: \_\_\_\_\_

Growing Healthy

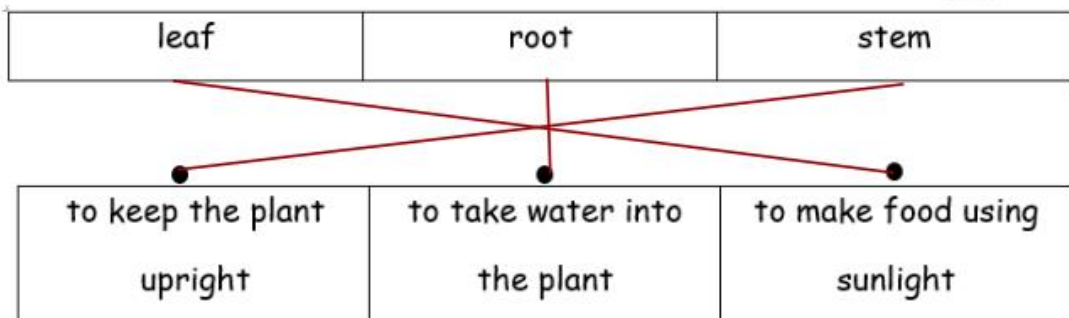
**Objectives:**

- Identify the parts of a flowering plant and their functions.
- State that plants need appropriate conditions, including temperature, light, and water to be healthy.

Q1. Jawad grows a sunflower.



a) Draw a line to match each **part** with its correct **function**.



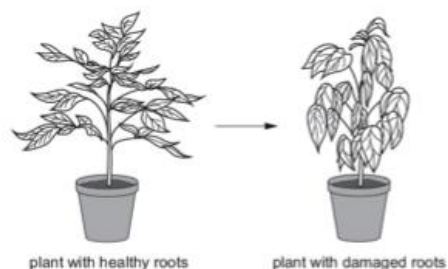
b) Jawad waters the sunflower everyday.

Why does the sunflower need water?

to stay firm and make its own food

Q2. Marla has a plant.

a) Describe what has happened to **the leaves**.



they wilted / started to wilt

b) Explain why this has happened to the leaves when the roots are damaged.

because the roots can't carry the water

to the plant so it wilts

Q3. Layla has four plants.

a) Layla says,



*'I predict the plant will have more leaves as it grows.'*

Count the leaves and complete the sentences.

The **smallest young** plant (seedling) has 2 leaves.

The **largest adult** plant has 6 leaves.

This shows a correct prediction. (wrong/ correct).

b) Layla measures the height of the plants.

Which tool does she use? **Circle** the correct answer.

beaker

graph

ruler

stopwatch

Q4. Plants need the correct conditions to be healthy.  
Oliver looks at a healthy plant.



a) **Describe** how Oliver knows this plant is **healthy**.

green leaves, long healthy stem, firm plant, not dry

or wilting

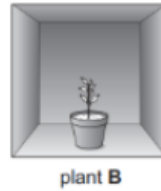
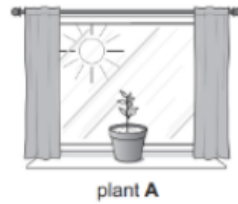
b) Oliver investigates the conditions plants need to be healthy.  
Complete the table by using the words

healthy      not healthy

Does the plant have water?	Does the plant have light?	temperature	plant at start	plant after 10 days
yes	yes	room temperature	healthy	healthy
yes	no	room temperature	healthy	not healthy
no	yes	room temperature	healthy	not healthy
yes	yes	100 °C	healthy	not healthy
no	no	100 °C	healthy	not healthy

Q5. Ryan is growing two plants to see how light changes plant growth.

He grows **Plant A** on a windowsill and **Plant B** in a dark cupboard.



- **Predict** which plant will grow the best and **explain** why.

plant A. because sunlight helps the plant to grow

healthier and make its own food

Q6. Hassan wants to find out how light affects plant growth. He gets two **identical pots** of plants and put them as shown in the picture.



pot A  
with light



pot B  
without light

Hassan measures the height of the plant in each pot after seven days.

The plant in pot B is taller than the plant in pot A. It also has fewer leaves.

What does this show?

plants can become taller without light, but they aren't healthy  
as they have fewer leaves to make food so  
plants need light to grow healthy

Q7. Circle the correct answer:

a) Which of these helps plants make their own food?

Water

Air

Sunlight

All of the above

b) What happens when a plant gets too much water?

It grows faster

It may rot or die

It makes more flowers

It becomes taller

c) Plants need sunlight to:

sleep

make food

stay warm

grow more leaves

d) The best temperature for most plants is:

40°C – very hot

5°C – very cold

25°C – warm

0°C – freezing