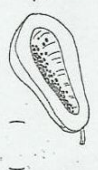
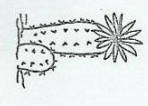


Q10 The picture below shows a papaya cut in half. Which of the following is something that you can observe?

- 1) It is formed from a flower.
- 2) The fruit provides food for the seeds.
- 3) There are many seeds found inside the fruit.
- 4) The seeds can grow into many new plants.



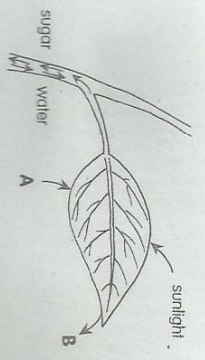
Q11 Study the pictures of the rose plant and the cactus plant shown below.



Which one of the following differences between the rose plant and the cactus plant is correct?

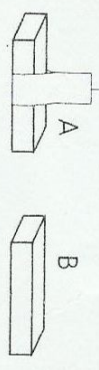
- Rose plant**
- 1) It has thorns.
  - 2) It has a stem.
  - 3) It has leaves.
  - 4) It has flowers.
- Cactus plant**
- 1) It does not have thorns.
  - 2) It does not have a stem.
  - 3) It does not have leaves.
  - 4) It does not have flowers.

Q12 In the picture of a green leaf below, the arrows at A and B should be labelled \_\_\_\_\_ and \_\_\_\_\_ respectively.



- A**
- 1) oxygen
  - 2) mineral salts
  - 3) carbon dioxide
  - 4) chlorophyll
- B**
- 1) carbon dioxide
  - 2) sugar
  - 3) oxygen
  - 4) energy

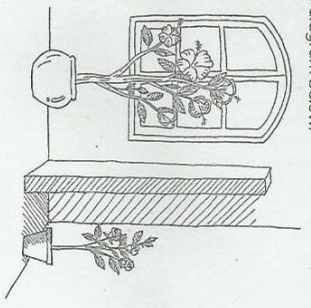
Q1



Fill in the missing information in the table.

Pole of Magnet A	Pole of Magnet B	Magnet A swings towards Magnet B	Magnet A swings away from Magnet B
N	S	✓	
	N		✓
S		✓	
S	S		

Q2 James wanted to carry out an experiment to find out if light was necessary for plants to make food. He set up two potted plants as shown in the diagram below.



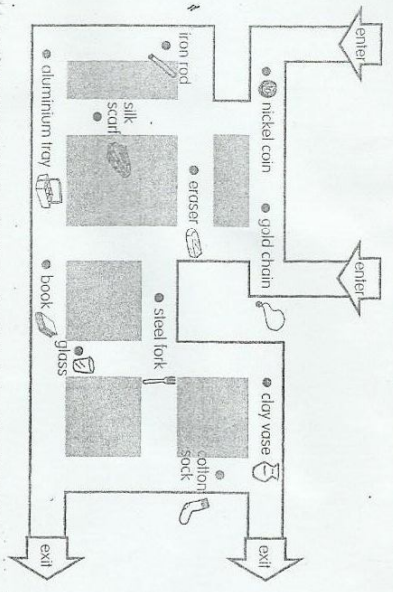
He watered the two pots of plants with the same amount of water every day.

State three reasons why James did not carry out a fair experiment.

- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_
- (iii) \_\_\_\_\_

Q3

There are two possible entrances and exits in the maze below. Trace the shortest route for Ivan to pick up the greatest number of magnetic objects in the maze. Cross out the magnetic objects he has picked up.



Q4

Jack has two toy trains. One is made of steel, the other is made of plastic. When Jack brings a magnet near the two trains, only one of them moves.

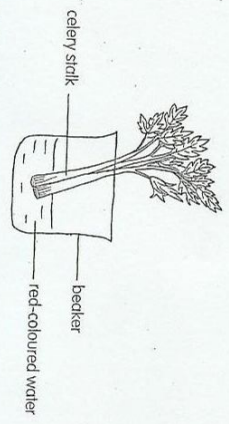
- Does the train move towards or away from the magnet?
- Which is the train that moves?
- Explain how you arrived at the answer for (b).

Q5

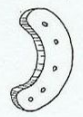
Green plants contain a green substance called \_\_\_\_\_ which can trap energy from the \_\_\_\_\_. The energy is used to combine \_\_\_\_\_ from the air and \_\_\_\_\_ from the ground. As a result, \_\_\_\_\_ is formed and \_\_\_\_\_ is given off. This process of making food is called \_\_\_\_\_.

Q6

A cut celery stalk was put into a beaker of red-coloured water for a day.



The red dots on the cross-section of the stem shows that \_\_\_\_\_



- only red colouring can be carried in the stem
- food made in the leaves was carried to all parts.
- there is chlorophyll hidden below the red dots
- red-coloured water was carried through the stem

Q7

Although plants do not have sense organs like animals do, they also respond to changes around them. What do you think will happen when you touch the plant shown below?



- Its flowers will drop off.
- Its leaves will close up.
- It will not bear fruits.
- It will wither and die.

Q8

During photosynthesis, green plants combine carbon dioxide and water to produce sugar and give out oxygen. Where do the green plants get the energy for this to take place?

- Chlorophyll
- The sun
- The surrounding air
- Mineral salts

Q9

The diagram below shows a potted plant with all its leaves plucked. What do you think will happen to the plant?

- It will grow new leaves.
- It cannot make food and will die.
- It will make food through the stem.
- It can live on the water taken in by the roots.

