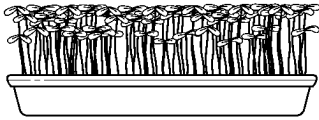


Name \_\_\_\_\_

Class \_\_\_\_\_

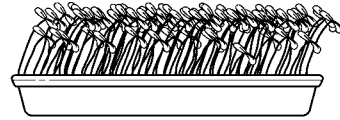
1 The pictures show three sets of cress plants.



A



B



C

a Which cress plants were not given any water?

\_\_\_\_\_ [1 mark]

b Plants need water to stay alive. What else do they need? Tick **two** boxes.

sand

light

wood

air

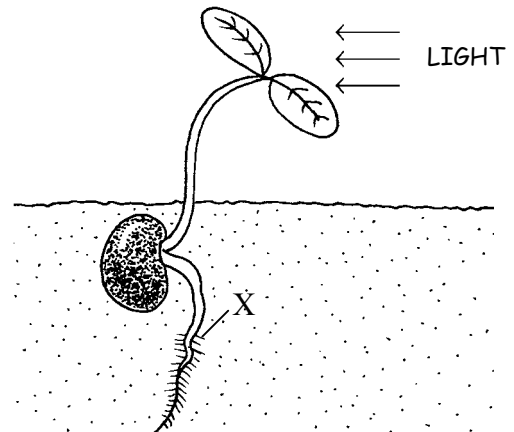
[2 marks]

2 The drawing shows a bean seedling.

a Why is the plant not growing straight up?

\_\_\_\_\_  
\_\_\_\_\_

[1 mark]



b The roots have a number of functions. Tick the **three** functions of roots.

- Absorb carbon dioxide from the air.
- Absorb sugar from soil.
- Absorb minerals from the soil.
- Make food for the plant.
- Absorb water from the soil.
- Hold the plant in the soil.
- Make seeds for new plants to grow.

[3 marks]

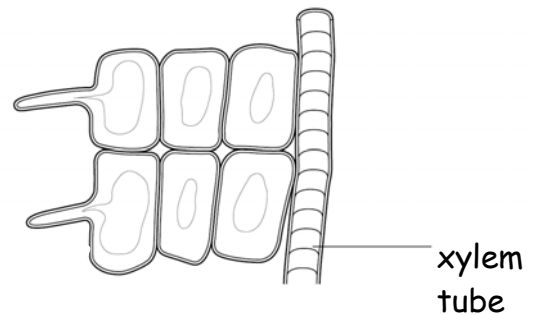
c What are the names of the parts marked 'X' in the drawing in part a?

\_\_\_\_\_ [1 mark]

d This diagram shows part of a root.  
What happens in the xylem tube?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

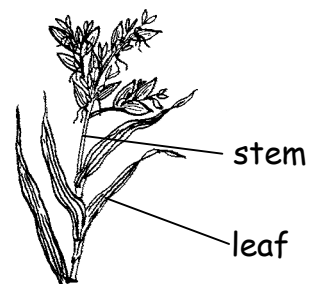
[1 mark]



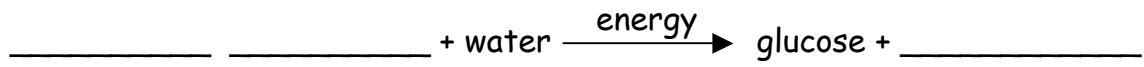
3 The drawing shows a plant. What is the function of the leaves?

\_\_\_\_\_  
\_\_\_\_\_

[1 mark]



- 4 a Complete the word equation for photosynthesis:



[2 marks]

- b When does photosynthesis happen in plants? Tick **one** box.

- all the time  
 only when it is light  
 only when it is dark

[1 mark]

- c What is the name of the process that plant and animal cells use to release energy from food?

\_\_\_\_\_

[1 mark]

- d When do cells release energy in plants? Tick **one** box.

- all the time  
 only when it is light  
 only when it is dark

[1 mark]