

**Primary Four  
Science  
Continual Assessment Two**

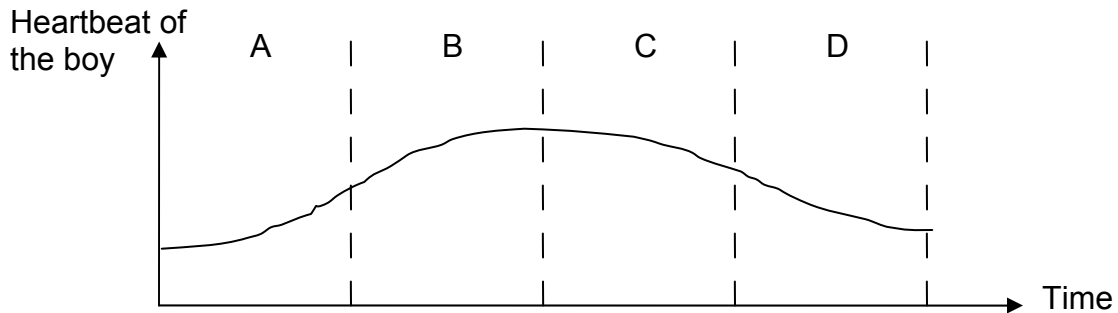
**Section A: (54 marks)**

For each question 1 to 27, four options are given. One of them is the correct answer. Make your choice [ 1, 2, 3, 4 ].

1. Which part of our body are there no blood vessels?

- (1) Toe
- (2) Nail
- (3) Ears
- (4) Tongue

2. The graph below shows the number of heartbeats of a boy over time.



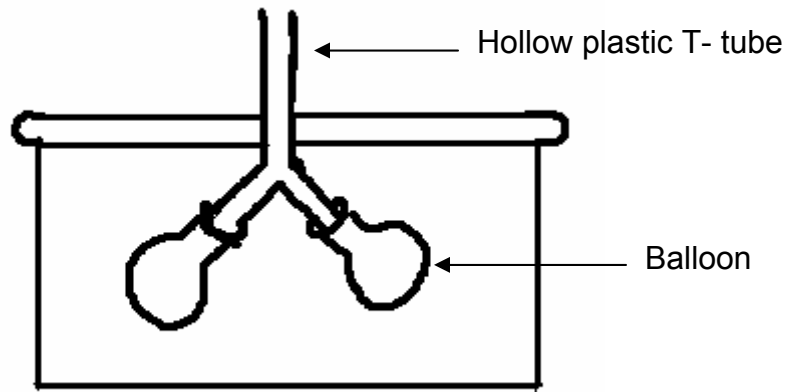
Which part of the graph shows that the boy has just stopped playing football?

- (1) A
- (2) B
- (3) C
- (4) D

3. John eats the same brand of biscuits every day. One day, he felt that the biscuits tasted different. What could be the possible reason?

- (1) He had sore eyes.
- (2) He sprained his hand.
- (3) He had rashes.
- (4) He had a cold.

4.



The set-up above represents our respiratory system. What does the hollow plastic T-tube and the balloons represents?

- (1) Windpipe, lungs
- (2) Gullet, lungs
- (3) Gullet, kidney
- (4) Windpipe, kidney

5. Peter took part in a 200m race. Soon after the race started, he felt his heart beating \_\_\_\_\_. His heart did this to make the blood flow \_\_\_\_\_ so as to bring more \_\_\_\_\_ to all parts of his body.

- (1) slower, slower, carbon dioxide
- (2) faster, faster, oxygen
- (3) slower, faster, oxygen
- (4) faster, faster, carbon dioxide

6. Ali had three containers, filled with Green Tea, Milk and Water respectively. Then he took a torch to shine through them. Arrange the liquids that allow most light to pass through to those that allow the least light to pass through.

- (1) Milk, Green Tea, Water
- (2) Green Tea, Water, Milk
- (3) Water, Green Tea, Milk
- (4) Water, Milk, Green Tea

7.



The picture shows a button in the lift. For whom are these buttons with raised dots specially made for?

- (1) The crippled
- (2) The blind
- (3) The deaf
- (4) The mute

8. Our body consists of several important systems that work together. How many main systems does our body have?

- (1) 3
- (2) 4
- (3) 5
- (4) 6

9. Mary, who was blindfolded, held a piece of paper to her nose. She was describing it to her brother, John. What could she be saying?

- A: It is sweet.
- B: It smells like perfume.
- C: It is dirty.
- D: It feels smooth.

- (1) A and B
- (2) B and C
- (3) B and D
- (4) C and D

10. Our body systems help us to carry out important tasks. Which are the tasks?

- A: It helps us to move around.
- B: It helps us to grow.
- C: It repairs the damaged parts of the body.

- (1) A and B only
- (2) A and C only
- (3) B and C only
- (4) A, B and C

11.



Glass



Tin can



Tracing Paper



Black Cardboard

Choose the objects that allow light to pass through.

- (1) Black Cardboard and Glass
- (2) Glass and Tracing Paper
- (3) Tin Can and Glass
- (4) Tracing Paper and Black Cardboard

12. It was a bright and sunny day. Shufen was standing in the field. At which part of the day was Shufen's shadow the shortest?

- (1) Morning
- (2) Noon
- (3) Afternoon
- (4) Evening

13. Which insect is a natural light source?

- (1) Firefly
- (2) Dragonfly
- (3) Mayfly
- (4) Butterfly

14. We need to digest the food we eat. Where does digestion first take place?

- (1) The gullet
- (2) The stomach
- (3) The small intestine
- (4) The mouth

15. Our digestive system consists of the large intestine, small intestine, mouth, gullet and stomach. What happens if the gullet is missing?

- (1) The food from the mouth cannot get to the stomach.
- (2) The saliva cannot help to digest the food.
- (3) The stomach does not have the digestive juices to break down the food.
- (4) The food is immediately absorbed by the blood.

16. Digestion of food in our body stops at the \_\_\_\_\_.

- (1) end of the large intestine
- (2) end of the small intestine
- (3) beginning of stomach
- (4) beginning of the anus

17.



A human body is made up of different systems. The picture above shows part of one of these systems. Which is it?

- (1) The Circulatory System
- (2) The Digestive System
- (3) The Skeletal System
- (4) The Respiratory System

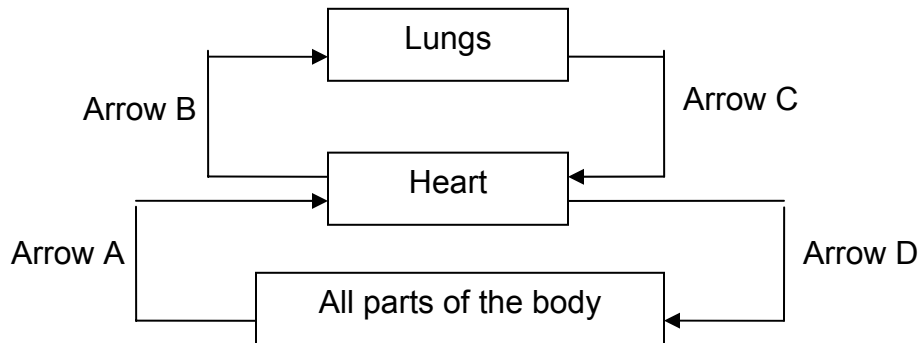
18. Food is very important to our body. Which two systems work together to absorb the nutrients from the food so that it can be passed around to all parts of the body.

- (1) Skeletal, Digestive
- (2) Respiratory, Circulatory
- (3) Skeletal, Muscular
- (4) Digestive, Circulatory

19. Which of the following statement about energy is FALSE?

- (1) Energy does not occupy space.
- (2) Energy cannot be seen.
- (3) Energy can be touched.
- (4) Energy does not have mass.

20. The diagram below shows the movement of blood in our body.



Which arrows indicate the movement of blood which carries a lot of oxygen?

- (1) Arrows A and C
- (2) Arrows C and D
- (3) Arrows A and D
- (4) Arrows B and C

21. Living things get energy from the food they eat. Where does the car get the energy to move?

- (1) Engine
- (2) Wheel
- (3) Water
- (4) Petrol

22. Most animals become inactive and sleep for a long time during the season of \_\_\_\_\_.

- (1) Spring
- (2) Summer
- (3) Autumn
- (4) Winter

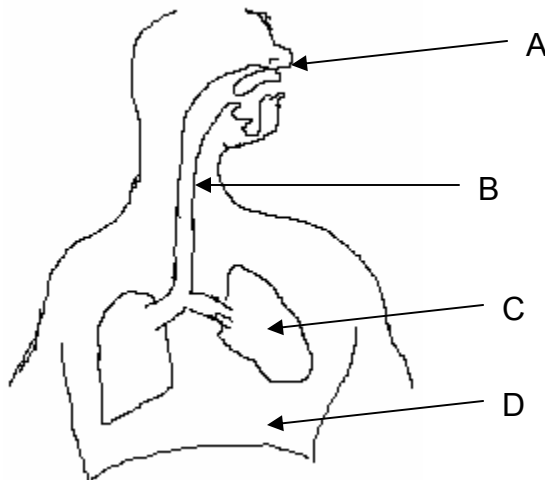
23. Which of the below does not give off light on its own?

- (1) Sun
- (2) Moon
- (3) Star
- (4) Fire

24. Which of the following statements is true about the large and small intestines in our body?

- (1) The small intestine absorbs nutrients while the large intestine absorbs water.
- (2) The small intestine absorbs water while the large intestine absorbs nutrients.
- (3) The small intestine gives up nutrients while the large intestine gives up water.
- (4) The small intestine gives up water while the large intestine gives up nutrients.

25. The diagram below shows the respiratory system.

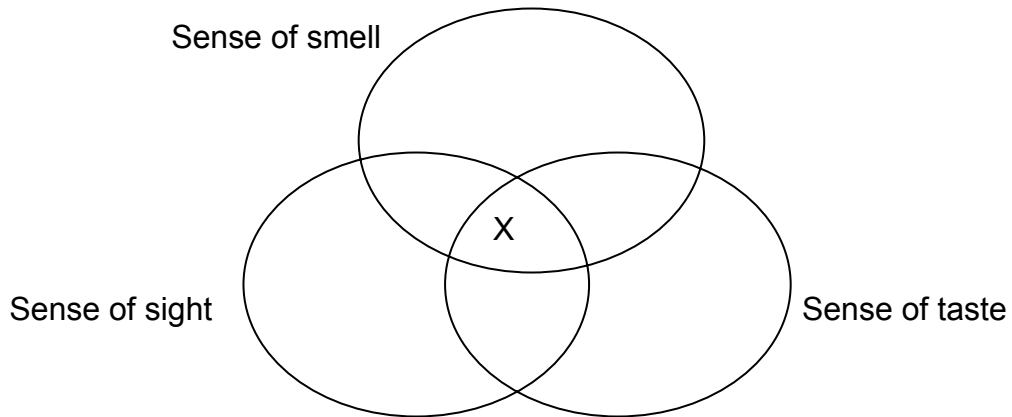


Which part shows the diaphragm that causes the chest to become bigger or smaller?

- (1) A
- (2) B
- (3) C
- (4) D



26. Study the Venn diagram carefully and answer the question. The areas in the Venn diagram below indicate all the different senses.



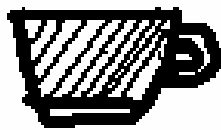
Which of the following actions could involve all the senses marked by X?

- (1) Buying a birthday cake.
- (2) Painting the room.
- (3) Choosing the red flower.
- (4) Eating a fried chicken.

27.



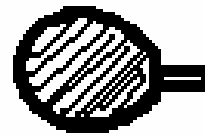
A friend just bought Peter a porcelain cup. He shone the cup at different directions with a torchlight. Which were the possible shadows that could have formed?



A



B



C

- (1) A and B only
- (2) A and C only
- (3) B and C only
- (4) A, B and C

**Section B: (36 marks)**

**Answer the following questions in the space provided.**

28(a) (1m)

Types of animals	Breathing part
Mammals	
Fish	

(b) Name the breathing part of an earthworm. (1m)

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29. A group of friends are at a barbeque at Pasir Ris Park.

Yusoff: The chicken wings are delicious.

Johnny: It is so hot.

MingDe: Albert is not here. Is he coming?

Muthu: The music playing from the radio is too loud.

In the table provided, identify the senses and sense organ used by the four children.

	Sense of	Sense organ
Yusoff		
Johnny		
MingDe		
Muthu		

30. State one way each in which light is important to plants and animals. (2m)

(i) Important to plants:

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(ii) Important to animals:

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31. Our heart is an important organ in our body. What is the main function of the heart? (2m)

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32. State two ways that heat from the Sun is useful for our survival. (2m)

(i)

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(ii)

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33. Study the food chain as shown below.

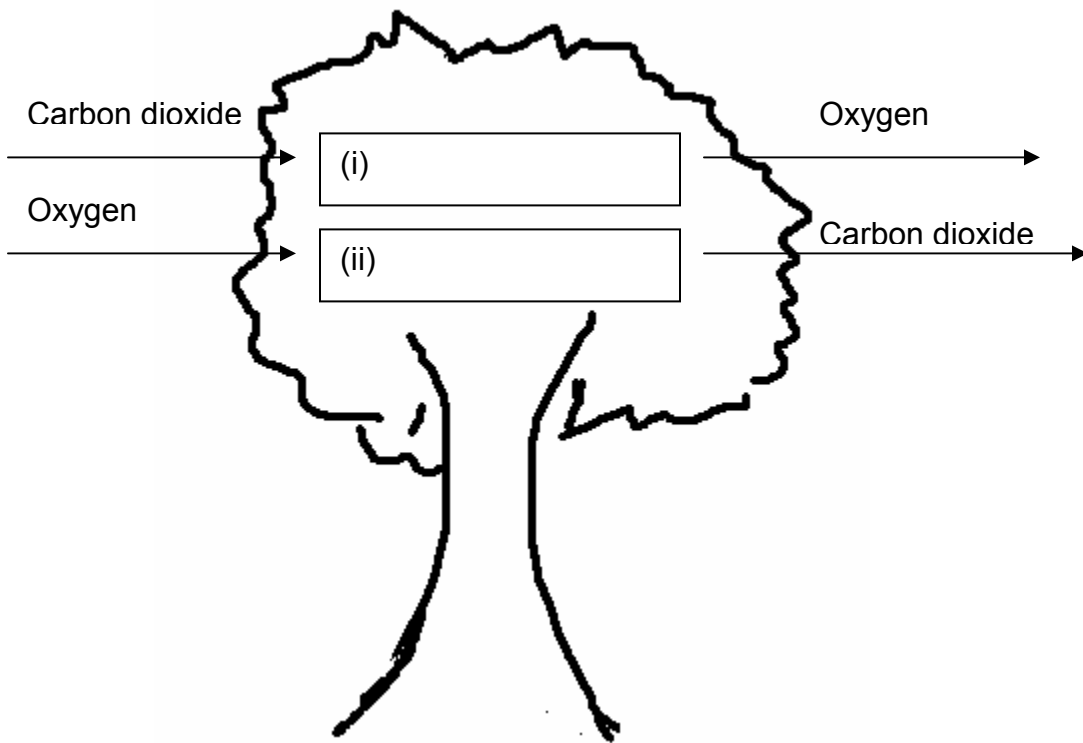
Sunlight → Plants → ? → Lions

Plants use energy from the Sun to make food. How is it possible for this energy to be passed on to the meat-eaters such as the lions when lions do not eat plants? (2m)

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34(a) The diagram below shows the gases taken in by the tree during two processes. Fill in the boxes with the correct processes. (2m)



(b)(i) Which one of the processes stated in (a) takes place all the time? (1m)

(ii) Which one of the processes stated in (a) requires sunlight in order to take place? (1m)

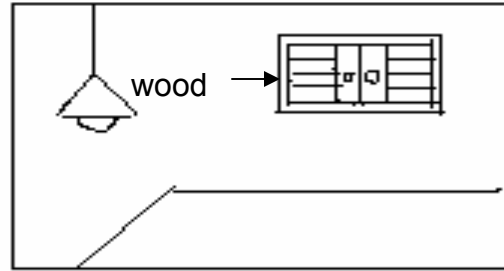
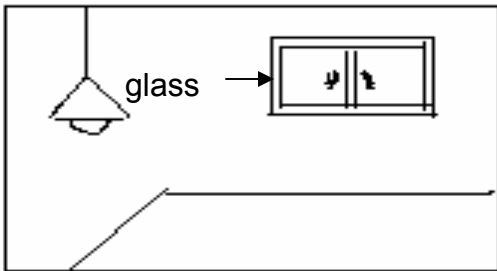
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**Fill in the blank with only one word.**

35. Light travels in a straight line. Anything that gives off light of its own is called a light \_\_\_\_\_. When light is completely or partially blocked by an object, a \_\_\_\_\_ is formed. (1m)

36. Materials can be classified by their ability to let light pass through. Those materials that allow all light to pass through are described as transparent. Those which allows only some light to pass through are describe as \_\_\_\_\_. Lastly, those materials which do not allow light to pass through are said to be \_\_\_\_\_. (1m)

37.



Study the pictures of the two rooms provided. It is a sunny day. The windows are closed tightly. The electric lamps are NOT switched on.

(a) Which room is brighter? (1m)

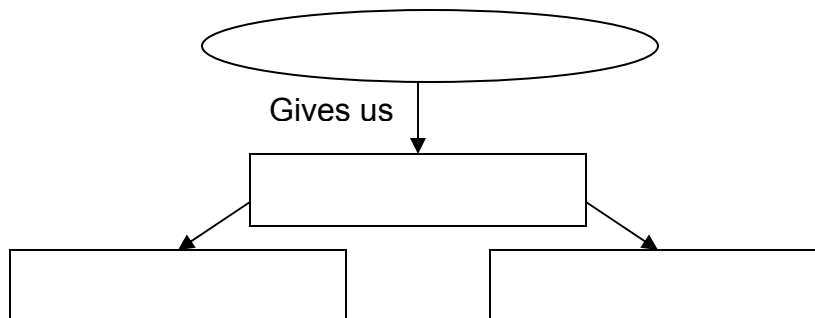
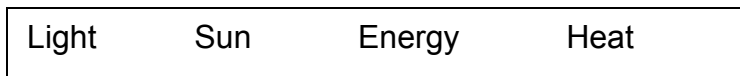
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(b) Explain your answer in part (a). (2m)

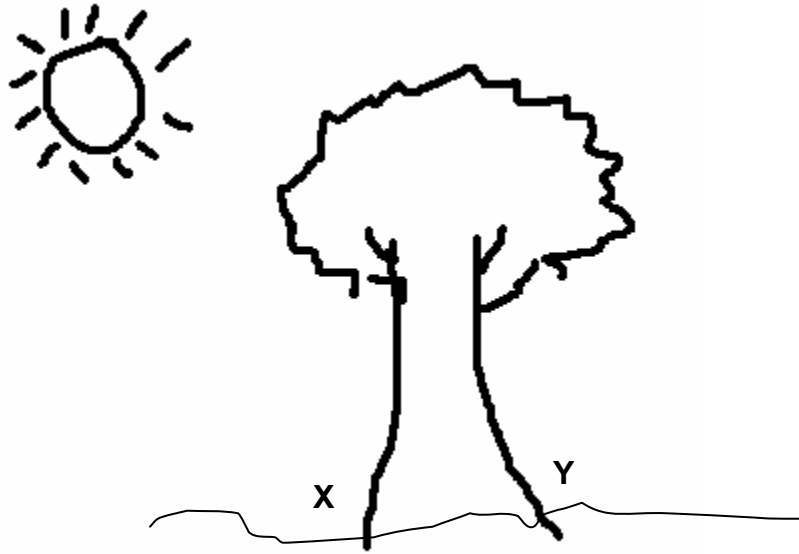
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38. Study the flow chart shown below. Use the words provided in the box to complete the flow chart. (2m)



39. Study the picture below and answer the questions that follows.



(a) At which position, X or Y, will you choose to sit if you want to be in the shade? (1m)

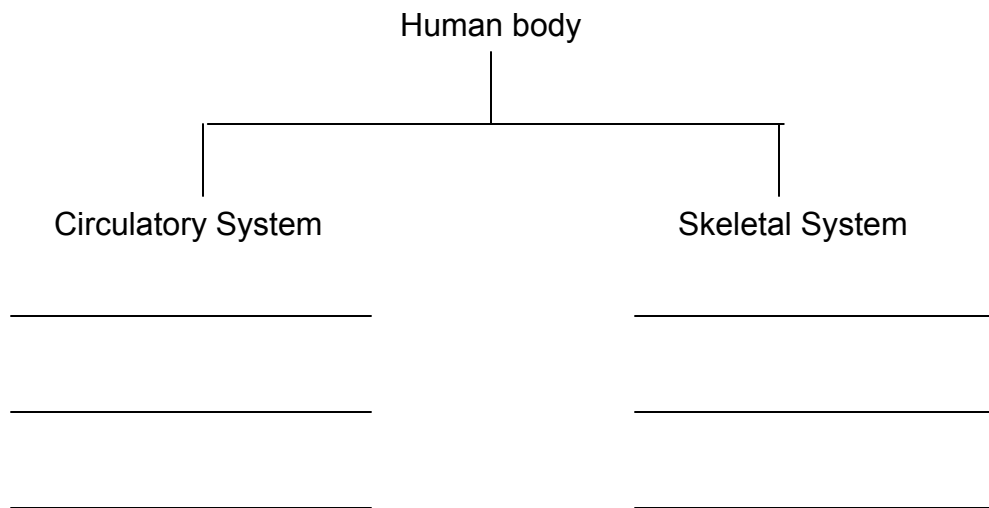
\_\_\_\_\_

(b) Explain your choice. (1m)

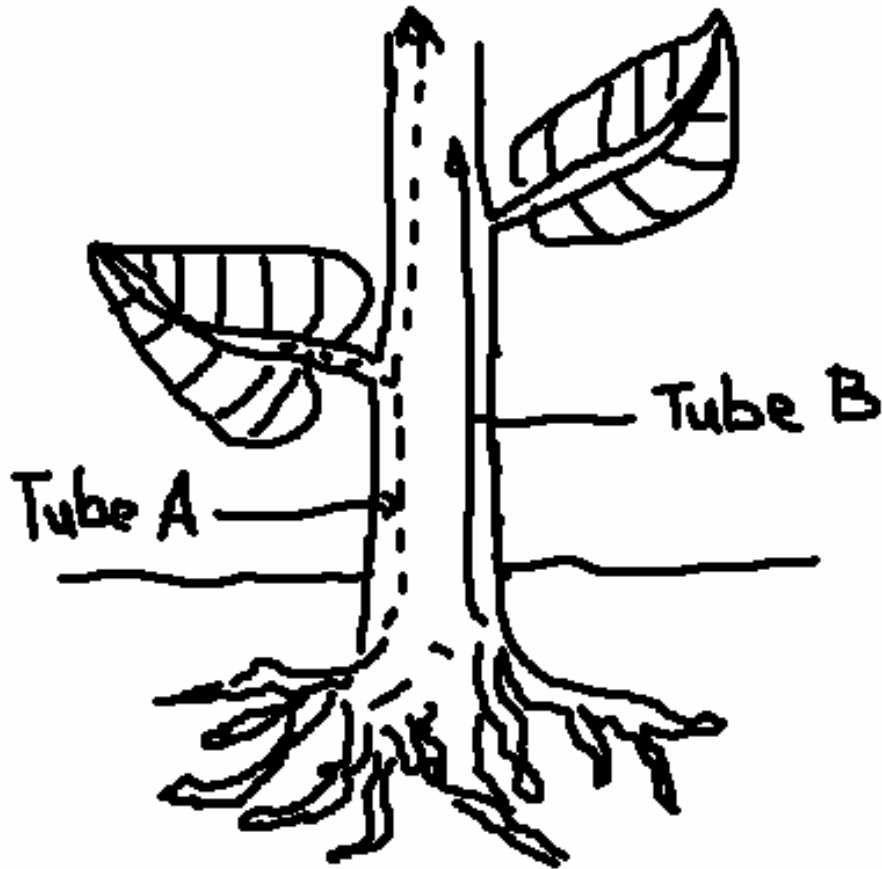
\_\_\_\_\_

40. Fill in the blanks using the words provided in the boxes. (3m)

Blood Vessels	Blood	Backbone
Skull	Ribs	Heart

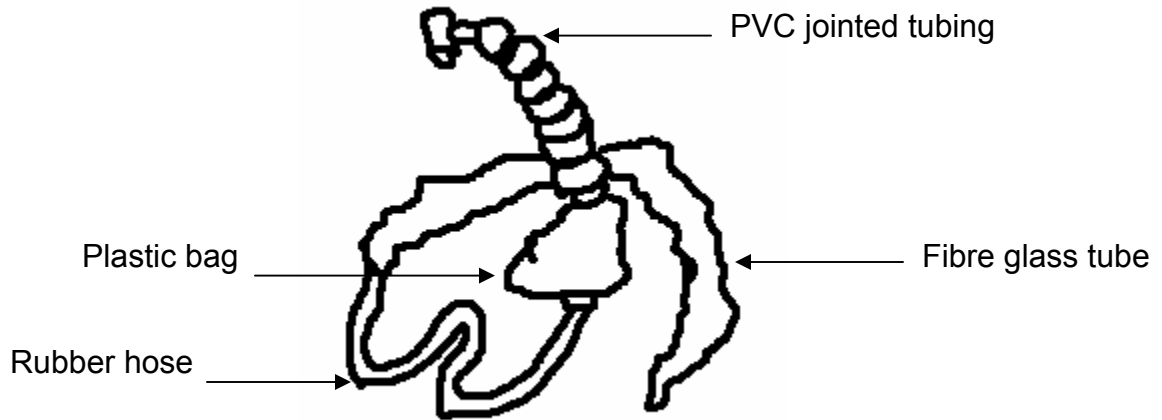


41. Study the picture below. Tiny tubes are found in the stem of the plant. These belong to the circulatory system of the plants.



	Tube A	Tube B
(a) What does the tube carry? (2m)		
(b) What is the name of the tube? (1m)		

42. A teacher made a model of a human digestive system with scrap materials.



(a) Match the parts of the digestive system to the scrap materials used by the teacher. (2m)

- |                 |   |   |                    |
|-----------------|---|---|--------------------|
| Gullet          | ● | ● | Plastic bag        |
| Stomach         | ● | ● | Fibre glass tube   |
| Large intestine | ● | ● | Rubber hose        |
| Small intestine | ● | ● | PVC jointed tubing |

(b) At which part of the digestive system will the food stay for the longest time? (1m)

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