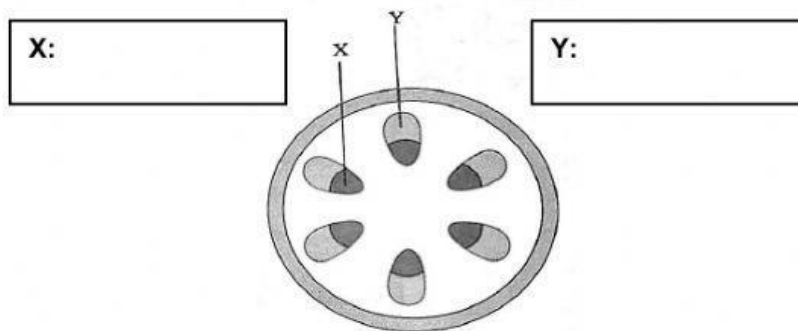


3.4 Transport system in plants

1. Diagram below shows a cross-section of the celery stem.

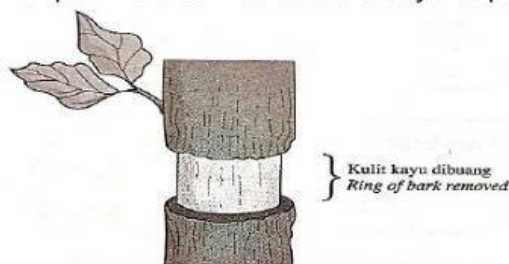


(i) Label X and Y in the diagram above.

(ii) The function of Y is to transport _____ produced by plants during _____ to other parts of the plant.

(iii) Water moves in the stem through the _____ tubes from the roots to the _____ to carry out _____.

2. Diagram below shows an experiment carried out to study the pathway of food in plants.



(i) What observation can be made in the experiment ?

The part above the ring becomes _____.

(ii) Explain your observation.

- Food transported by the _____ accumulates here.
- But there are no _____ tissues to transport the food down.

(iii) What will happen to the plant after a long period of time?

The plant will _____.

(iv) Conclusion : The _____ transports _____ from the _____ to all parts of the plant.