

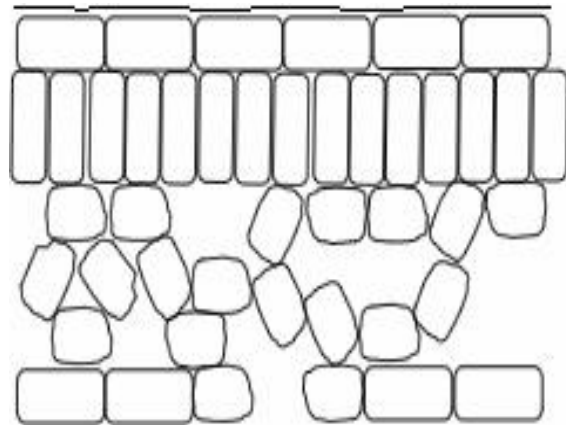
Tobermory High School

Standard Grade Biology

World of Plants

Making Food

1. Describe the steps taken to test a leaf for starch. (4)
2. Write out the photosynthesis equation. (2)
3. Describe the structure of the phloem and xylem, giving their functions. (4)
4. Plants make food for three reasons. Name them. (3)
5. Name the green pigment found in plant cells and the organelle where it is found. (2)
6. Describe the external features and internal structure of a leaf in relation to its functions. (4)
7. Explain what is meant by a limiting factor and list 4 of these in the process of photosynthesis. (5)
8. The diagram below shows part of a cross section through a leaf.
 - (a) From the scale given calculate the thickness of the leaf. (2)
 - (b) Redraw the diagram and then:
 - (i) Colour in green all the cells that contain chloroplasts. (2)
 - (ii) Use the letter P to indicate a palisade mesophyll cell. (1)
 - (iii) Draw an arrow to show where carbon dioxide enters the leaf. (1)



x 50

Total = 30