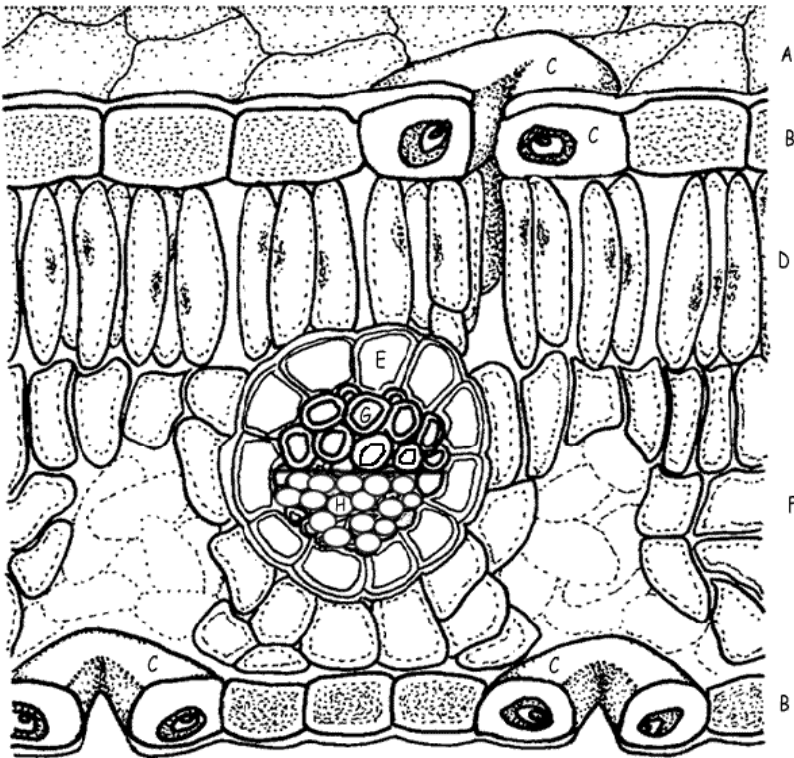


LEAF ANATOMY V3

Read p 535 – 540 and answer the following questions.

1. What two tissues are found within a vein? _____
2. What does the word "mesophyll" mean? _____
3. What two layers of the plant contain chloroplasts? _____
4. The outermost layer of cells: _____
5. The waxy covering of the leaf.: _____
6. These cells function to open and close the stomata. _____
7. Outer layer of the vein: _____
8. Column- like cells that lie just under the epidermis. _____
9. Openings that allow for gas exchange. _____
10. The stalk that connects the leaf to the stem. _____
11. Look carefully for the letter labels before colouring and put them in the boxes. Color the structures in the diagram below. Make sure that the picture colours match the key colours given. For simplicity only part of the picture is labeled.



Cuticle (light blue)	☐
Epidermis (yellow)	☐
Guard cells (pink)	☐
Palisade Mesophyll	☐
.....(dark green)	☐
Phloem (purple)	☐
Xylem (orange)	☐
Spongy Mesophyll	☐
....(light green)	☐
Bundle Sheath	☐
.....(dark blue)	☐