

PLANTS (teacher's notes)

LEAVES

Activity 2: Let's look for the parts of a leaf!

B and C) Ask questions that allow the pupils to think about these leaf parts.

- The stalk and veins: They contain the vascular tissue that transports the water through some tubes and the food through other tubes.
- The epidermis: This protects the leaf from gaining or losing too much water because it's waxy.
- The palisade layer: This is the layer that is found just under the upper side epidermis of the leaf and it contains the chloroplasts which contain the chlorophyll. Chlorophyll is the pigment that captures the light.
- The spongy layer: This is the layer that is found just under the palisade layer of the leaf and it's made of spongy cells and air.
- Stoma (singular word) or stomata (plural word): They are the leaf pores that are frequently found on the underside epidermis of the leaf. These pores let the air and water go in and out of the leaf.

C) At the address below you can find an excellent cross section of a leaf

http://www.usborne-quicklinks.com/uk/uk_entity_pages/uk_download_image.asp?lib=683&linkid=430185