**Leaf Foldable Instructions**

1. Get one sheet of each type of paper cut out in the shape of a leaf ( wax paper, white paper, and green paper)
2. Put them together in that order and fold them. (Wax then white then green) So now… you should have a picture of the layers of a leaf.
3. Staple it together on the edge of the leaf.
4. Now, get a sharpie and label the top and bottom pieces of wax paper **Cuticle** and write the definition …waxy outer covering **(top and bottom of leaf)**
5. On the top piece of white paper, label it with a regular pen or pencil…not a sharpie...**Upper Epidermis** and its function….. Protection
6. On the bottom piece of white paper, label it with a regular pen or pencil…not a sharpie… **Lower Epidermis** and its function… **stomata** and **guard cells** control gas and water exchange.
7. On the top green piece of paper, label it with a regular pen or pencil…not a sharpie … **Palisade mesophyll** and its function… Where most chloroplasts and photosynthesis takes place…. Write the formula for photosynthesis from your notes.
8. On the last green piece of paper, label it with a regular pen or pencil…not a sharpie … **Spongy mesophyll** and its function…. Transportation of water and nutrients in the **xylem** and **phloem**.
9. Put your name or initials on it with a sharpie and staple it to your leaf worksheet you did at the beginning of class and put it in the “In” box.

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