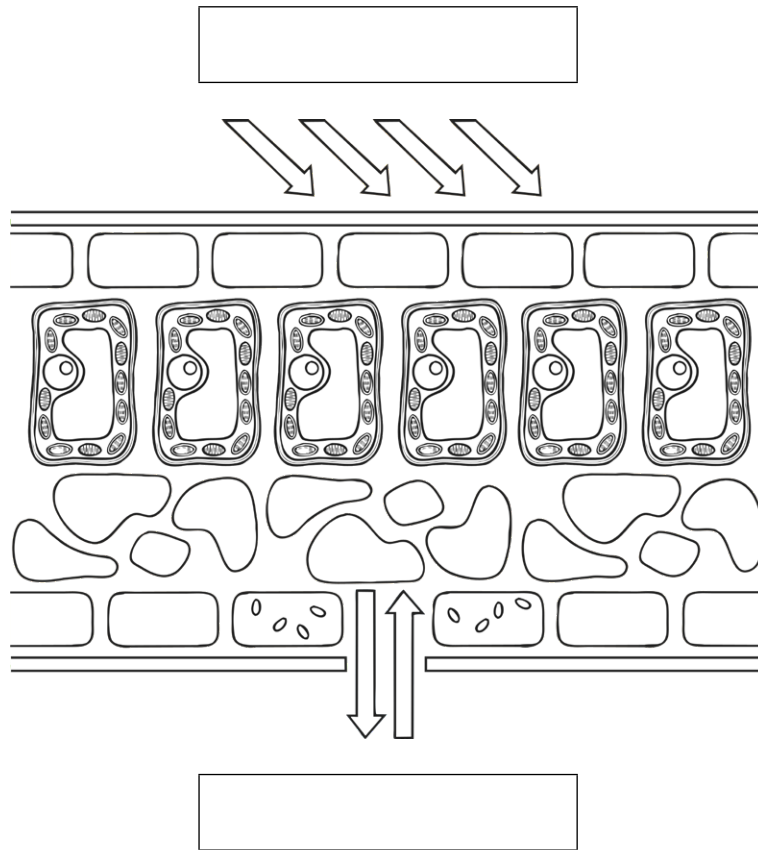


# Structure and Adaptations of a Leaf **Cut and Stick**

Cut out the labels and match them to the layers of the leaf.

Cut out the adaptation descriptions and functions and match them in the table.



Adaptation	Function

Labels

upper layer	sunlight	spongy layer
palisade layer	stomata	lower layer

Adaptation Descriptions and Functions

change shape to open and close the stomata	chlorophyll	stomata
xylem tubes	transports food in the plant	allows the exchange of gases (CO <sub>2</sub> in / O <sub>2</sub> out)
reduces the distance for CO <sub>2</sub> to diffuse into the leaf	absorbs sunlight	guard cells
thin shape	transports water in the plant	phloem tubes