

# What's Going On Inside Plants?

## Terms to Be Familiar With

At the bottom of the page is a word bank of terms you will see and hear often as you study plants. Fill in the letters where necessary to complete the puzzle about plant terms.

carbon dioxide	stomata	roots	phloem	vascular
hydrotropism	glucose	triangular	leaf	tropism
transpiration	lobed	geotropism	lanceolate	sinuate
photosynthesis	nonvascular	oxygen	sunlight	xylem
thigmotropism	heart shaped	sap	involuntary	water
phototropism	chlorophyll			

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### Match the Terms and Definitions

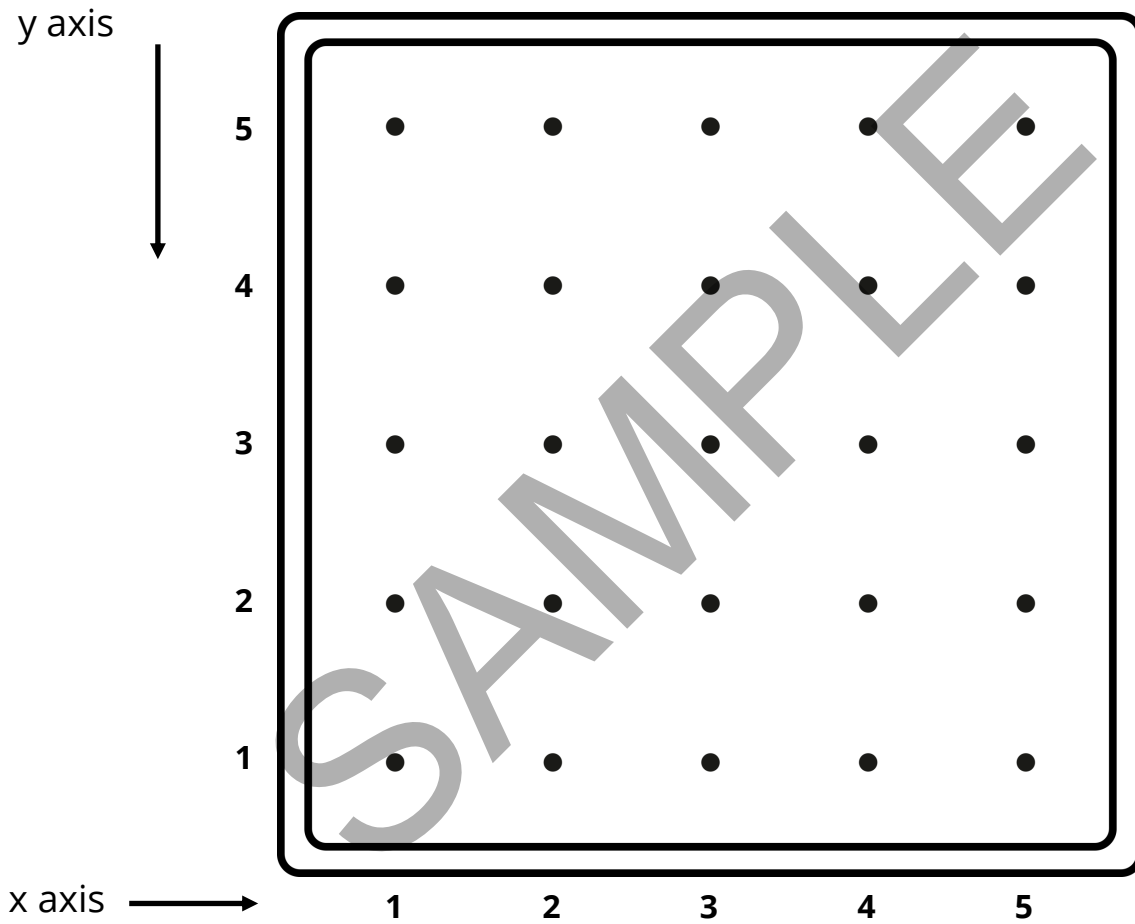
Match each term to its definition.

- \_\_\_ photosynthesis    a. plants growing a certain way in response to touch
- \_\_\_ chlorophyll        b. plant roots always grow toward gravity
- \_\_\_ carbon dioxide    c. gas plants release back into the air that people breathe
- \_\_\_ water                d. plants moving toward the light
- \_\_\_ glucose             e. substance in the cells of plants that absorbs sunlight
- \_\_\_ oxygen              f. absorbed through roots of plants; used to make food
- \_\_\_ transpiration     g. plant roots grow toward water
- \_\_\_ phototropism      h. process plants use to make the food they need
- \_\_\_ geotropism         i. a gas in the air plants use to make food they need
- \_\_\_ hydrotropism      j. process plants use to release water back into the air
- \_\_\_ thigmotropism     k. a simple type of sugar plants use as food

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## Graphing a Leaf

Follow the directions and use the graph to draw a leaf.



## Graphing a Leaf (continued)

Remember, the x-coordinate (number) always comes first, then the y-coordinate (number). So, if you are trying to find a point at 1,2, you would first find x1, then y2, to find the correct point.

Draw a line from point (5,1) to point (1,5).

Draw a line from point (2,1) to point (5,1).

Draw a line from point (2,1) to point (1,2).

Draw a line from point (1,2) to point (1,3).

Draw a line from point (1,3) to point (3,5).

Draw a line from point (3,5) to point (4,5).

Draw a line from point (4,5) to point (5,4).

Draw a line from point (5,4) to point (5,1).

Draw a line from point (2,1) to point (2,4).

Draw a line from point (2,4) to point (5,4).

Draw a line from point (3,1) to point (3,3).

Draw a line from point (3,3) to point (5,3).

Draw a line from point (4,1) to point (4,2).

Draw a line from point (4,2) to point (5,2).

Draw a line from point (1,2) to point (2,2).

Draw a line from point (4,4) to point (4,5).