SIDE A

Station 1

These plants <u>have</u> been treated with the plant hormone **auxin.**

SIDE B

Station 1

These plants <u>have not</u> been treated with the plant hormone **auxin**.

SIDE A

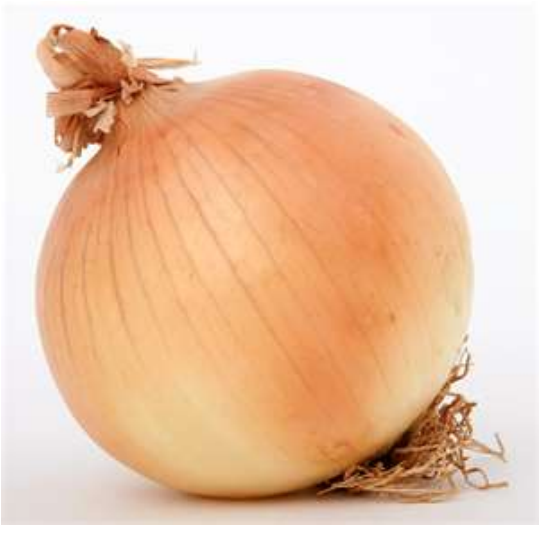
Station 2

These plants <u>have not</u> been treated with the plant hormone **gibberillin**.

SIDE B

Station 2

These plants <u>have</u> been treated with the plant hormone **gibberillin**.



SIDE A

Station 3

These plants have not been treated with **cytokinins.**

SIDE B

Station 3

These plants have been treated with **cytokinins.**

SIDE A

Station 4

These plants <u>have</u> been treated with **ethylene.**

SIDE B

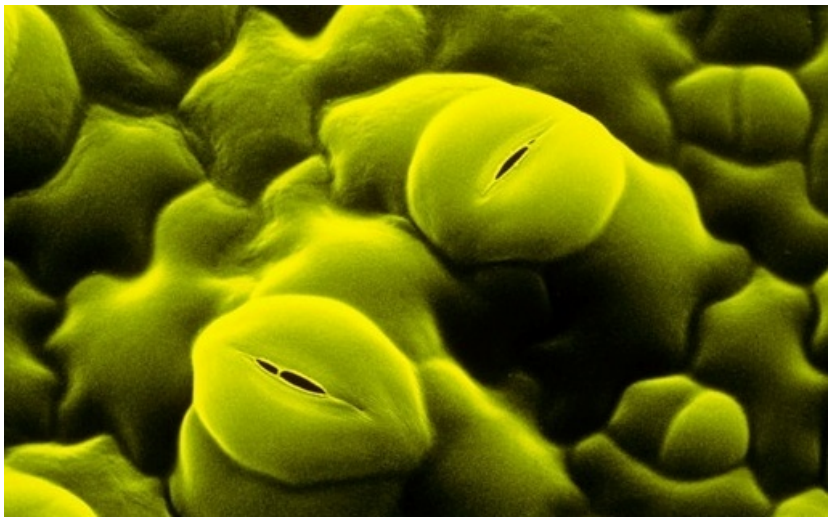
Station 4

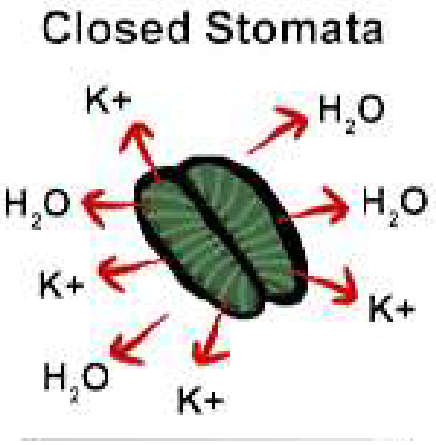
These plants <u>have not</u> been treated with **ethylene.**

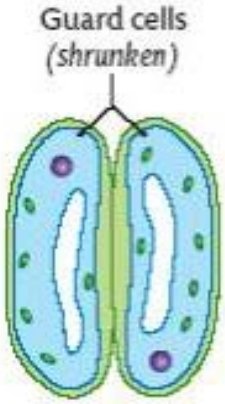
SIDE A

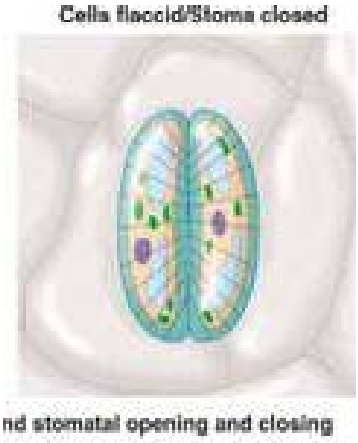
Station 5

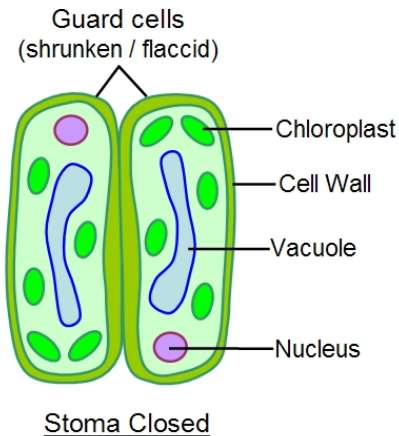
These plants <u>have</u> been treated with **abscisic acid**.

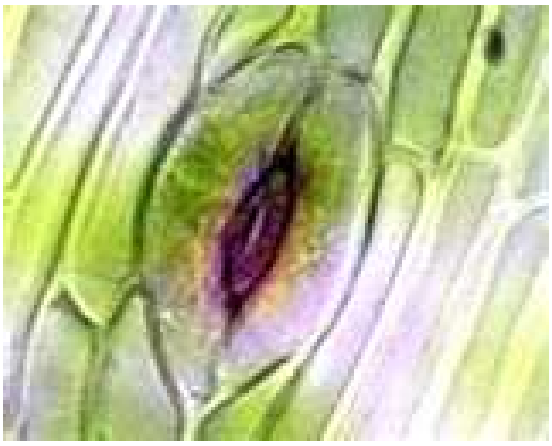


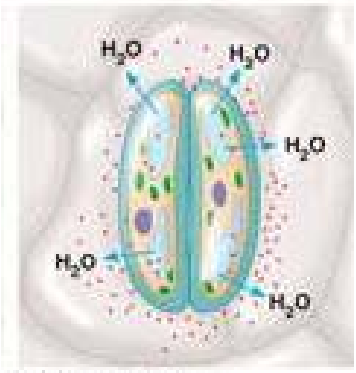








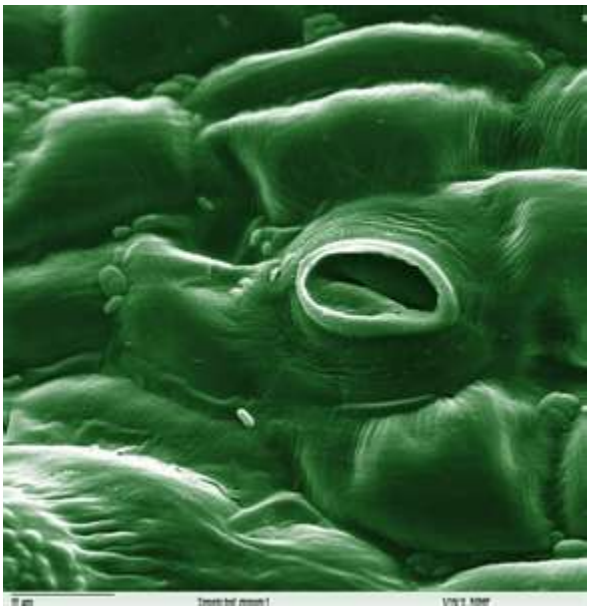


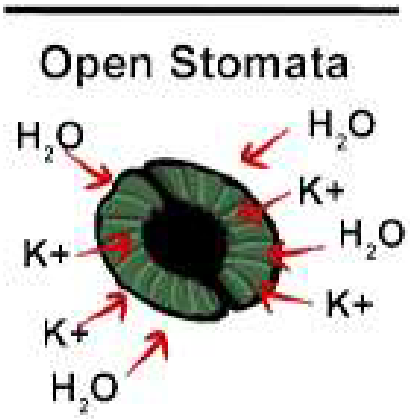


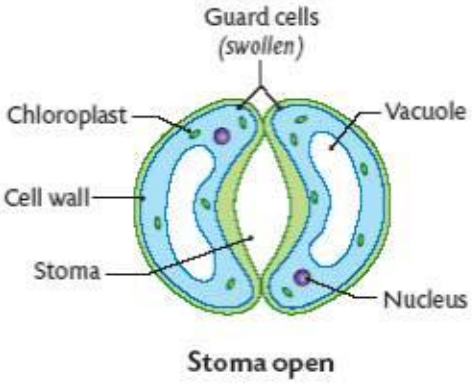
SIDE B

Station 5

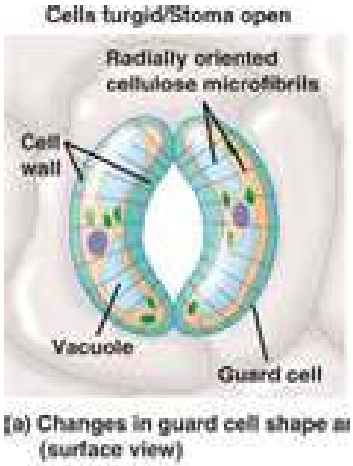
These plants <u>have not</u> been treated with **abscisic acid**.



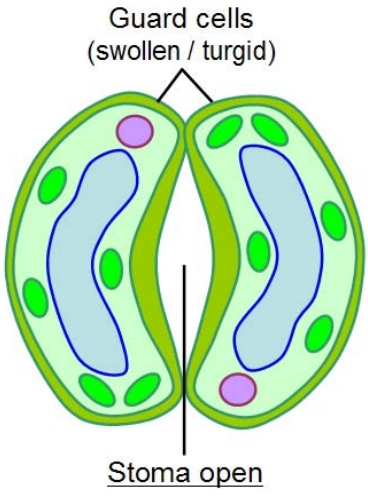


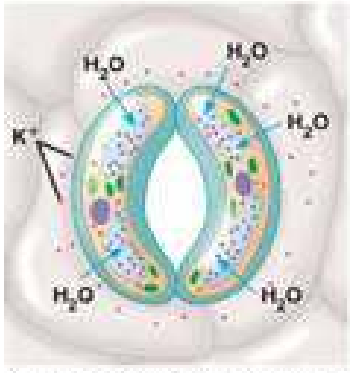


Stoma open



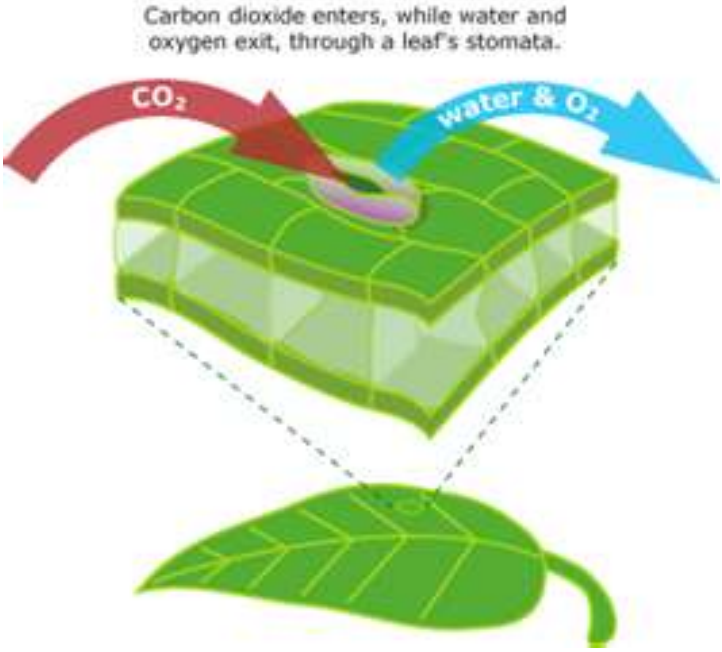
(a) Changes in guard cell shape a
(surface view)

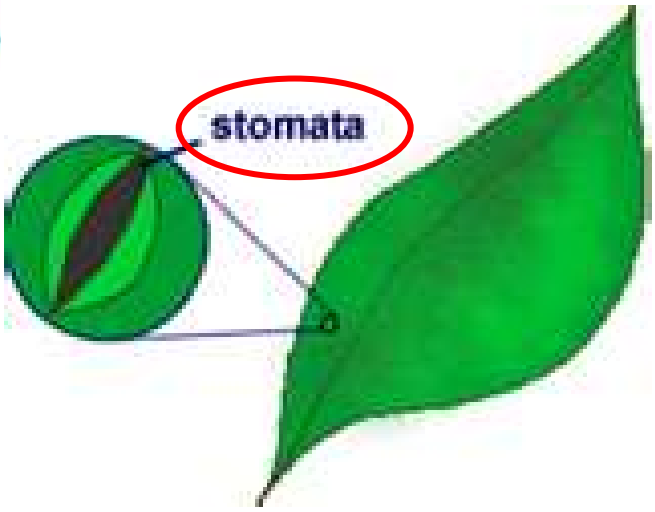


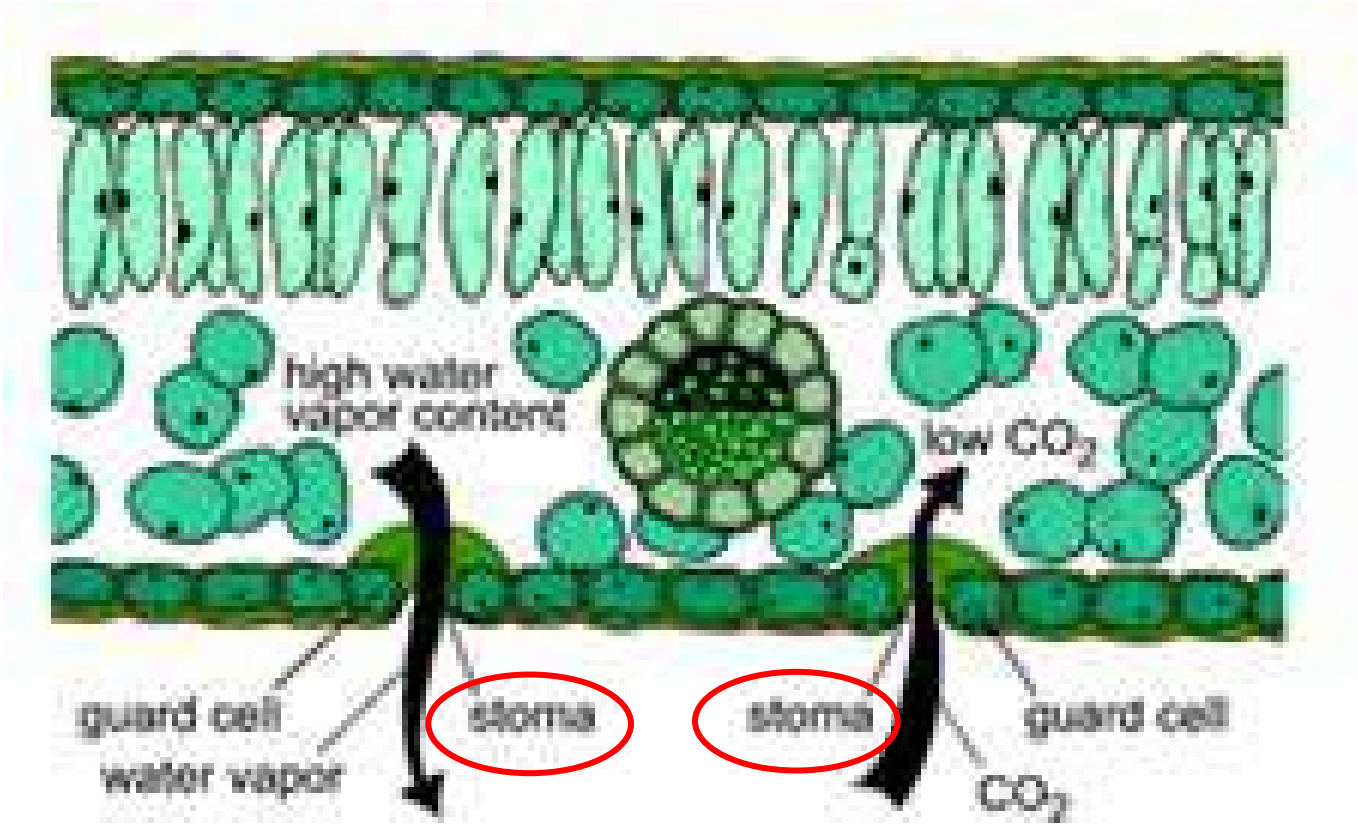


(b) Role of potassium in stomatal

Stomata


Carbon dioxide enters, while water and oxygen exit, through a leaf's stomata.
CO_2
water & O_2


stomata


high water vapor content
low CO_2
guard cell
water vapor
stoma
stoma
guard cell
CO_2

Name_____

Plant Hormone Lab

1. Look at the pictures at each table labeled “Side A” and “Side B.”
2. Write down what is different.
3. Write down the name of the hormone.
4. Write down what you think the hormone does to the plant.

Station	Observations (What you see)	Hormone Name	Effect of Hormone
1	Side A		
	Side B		
2	Side A		
	Side B		
3	Side A		
	Side B		
4	Side A		
	Side B		
5	Side A		
	Side B		