

PHOTOSYNTHESIS MICROVIEWER

Slide 1

1. What is this a slide of? _____
2. What is label A indicating? _____
3. What is label B indicating? _____
4. What 2 major types of tissues involved in the transport of water and solutes would you expect to find in B? _____ and _____

Slide 2

1. Provide a name for the following labels:
A) _____
B) _____
C) _____
D) _____
S) _____
2. What type of cells are found at the border of a stomate? _____
3. A stomate opens when _____ (ions) are pumped into the cells you indicated in question #2. _____ then follows passively in causing these cells to swell and open the stomate. Closing occurs when these same ions are no longer pumped in and they diffuse out. _____ then flows passively out causing the cells to shrink and the stomate to close.

Slide 3

1. What is this a slide of? _____
2. What is the function of the structure(s) in this slide? _____

Slide 4

1. Provide a name for the following labels:
A) _____
B) _____
C) _____
D) _____
2. What is the function of B? _____
3. What is the function of C? _____

Slide 5

1. Describe the experimental method and results for this slide.

Slide 6

1. Describe the experimental method and results for this slide.

Slide 7

1. What is this a slide of? _____
2. Of what use is polarized light to a plant scientist? _____

Slide 8

1. What is this a slide of? _____
2. What is the function of the cotyledon? _____
3. Why does the cotyledon stain as it does with iodine? _____
