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.

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Slide 7
1. What is this a slide of? ______________________________
2. Of what use is polarized light to a plant scientist? __________________________

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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? __________________________

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