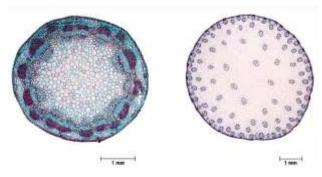
RAVEN CHAPTER 36 GUIDED NOTES: F	PLANT FORM	Raven 9 th edition	
36.1	Flower —)
Roots			
-Function	Node		
Shoots -	Terminal		
Function	bud of branch		>Shoot system
They are made of three types of tissues	Vegetative branch Leaf {		
1. Explain the structure and function of meristematic tissue in plants. How do they provide for renewable growth in plants?			Root
2. Where are apical meristems located? Br meristems of a plant.	iefly describe the structure	and function of the apical	
3. How are lateral meristems distinguished create in the tree?	from apical meristems? W	hat type of growth do they	
4. Distinguish between cork cambium and	vascular cambium.		
5. How is the growing root tip protected from	m damage as it moves thro	ough the soil?	

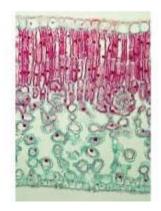
6. Hov	ow is the apical meristem protected in a growing seedling as the new shoot moves through the soil?						
7. List the two system that make up the plant body:							
3. Ider	ntify and briefly describe the four tissue types that exist in plants						
	a.						
	b.						
	c.						
	d.						
	9. Label the diagram of the cross section through a woody stem and indicate the function of each of the tissues.						
-							
0.	Identify and describe three specialized cell types which occur in the dermal tissue of a plant.						
	a						
	b						
	C						
1.	Identify and describe three specialized cell types which occur in the ground tissue of a plant.						
	a						
	b						
	C						

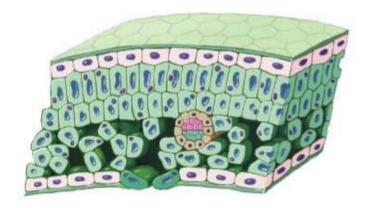
Describe the structure and function of xylem. What cells make	·
Describe the structure and function of phloem. What cells make	ke up this vascular tissue?
What are plasmodesmata?	
Identify and describe the four regions of the developing root. E	Explain their function.
a	
b	
c	
d	
What is the function of the Casparian strip?	
What is the adaptive value of root hairs?	
Review some modifications of roots seen in plants.	
a	
b	
C	
Review some modifications of stems seen in plants.	
a	
b	
C	
d	

20. Label the diagrams of the stems and indicate the functions of the tissues.



21. Label the diagram of the leaf and indicate the function of the tissues.





23. Review some modifications of leaves seen in plants.

a		
		_
C		
Ч		