

Name: _____

Biology

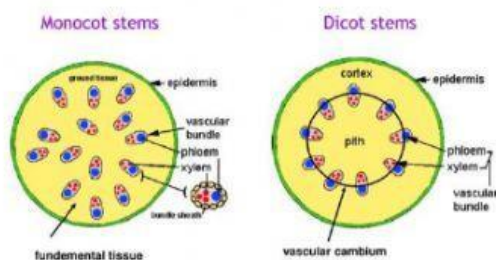
Structure of Stems and Roots Assignment

Instruction: Answer the following questions in the spaces provided.

1. Complete the following table by filling in the missing information. [12]

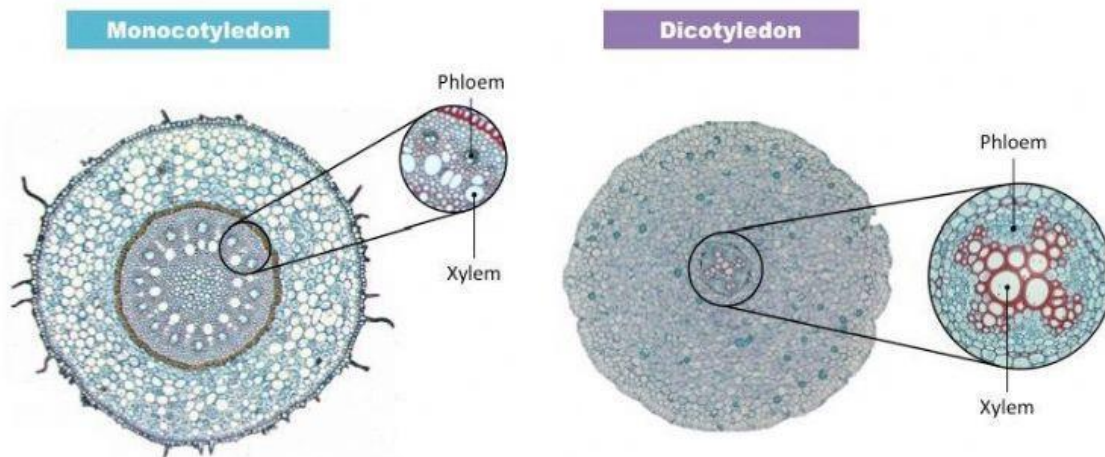
	Monocots	Dicots
<i>Leaves</i>	a.	b.
<i>Veins</i>	c.	d.
<i>Floral patterns</i>	e.	f.
<i>Vascular bundles in stem</i>	g.	h.
<i>Vascular bundles in root</i>	i.	j.
<i>Root system</i>	k.	l.

1. When we look at a cross section of a monocot and dicot stem the picture below is how it should look.



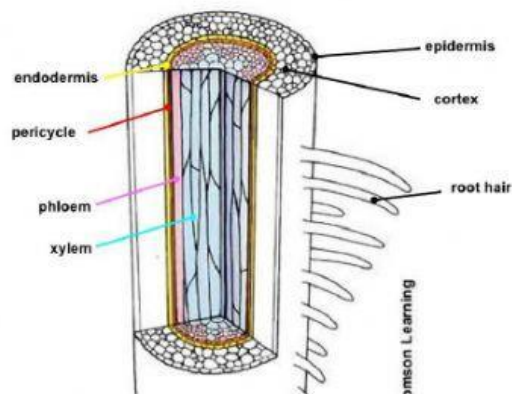
2. What are the two differences we discussed in class about the monocot stem and dicot stem? [2]

3. When we look at a cross section of a monocot and dicot root the picture below is how it should look.



4. What are the two differences we discussed in class about the monocot stem and dicot roots? [2]

5. The diagram below is a longitudinal section of a dicot root. By looking at this diagram, how can we tell that this is a dicot root? [1]



6. What is present on the surface of the roots? [1]

a. How do these structures help the root in its function? [1]

7. What is the function of the xylem and phloem in the stems and roots? [1]
