

G11 Biology: Class 14 Homework

1. Why do plants need to exchange gases with the environment? **[2 marks]**

2. a) Which two tissue types make up plant vascular tissues? **[2 marks]**

- b) What role(s) does these tissue play in the life of the plant? **[1 mark]**

- c) Which type of tissue would you expect to be most commonly used as a food source? Why? **[2 marks]**

- d) Which types of tissue play a protective role in the plant? Why? **[2 marks]**

3. How are meristematic tissues different from all other tissue types? Where can meristematic tissues be found in the plant? **[2 marks]**

4. Predict how an oak tree would respond to a hot and dry day. **[2 marks]**

5. List the functions that leaves serve to the plant. **[4 marks]**

6. How do monocot and eudicot leaves differ? **[2 marks]**

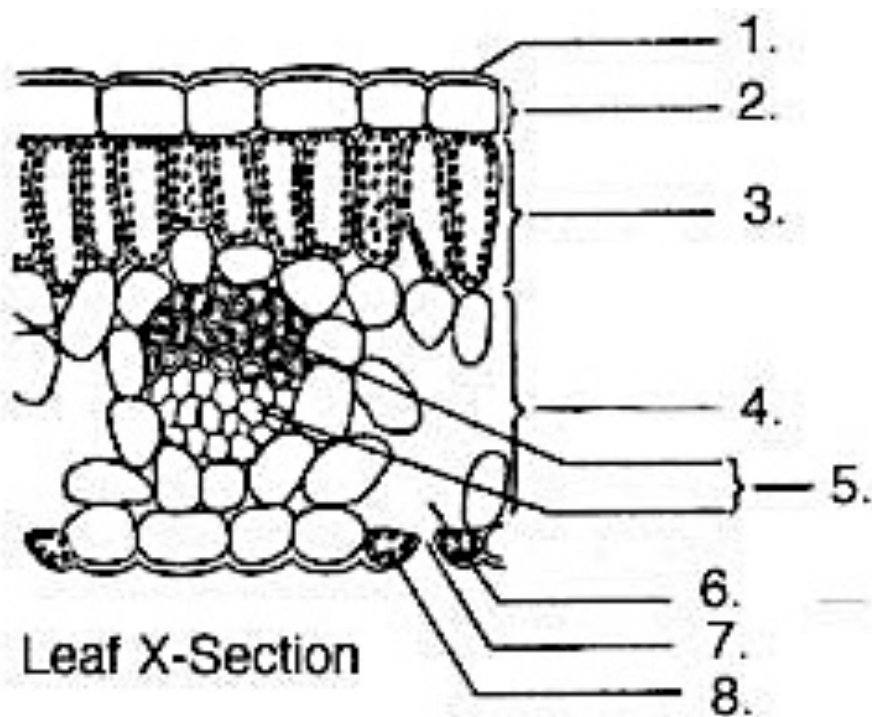
7. Explain how the organization of cells in the palisade mesophyll and spongy mesophyll in a typical vascular plant help fulfill the leaf's roles. **[2 marks]**

8. You are given the leaves of one plant from a desert environment and one from a rainforest. Predict the differences you would see in each of the leaves that would make it more adapted to its environment. **[4 marks]**

9. Describe how leaves defend themselves against herbivores. **[3 marks]**

10. Explain why we see more gymnosperms in Canada than angiosperms. **[2 marks]**

11. Label the following diagram: [8 marks]



Number	Structure
1	
2	
3	
4	
5	
6	
7	
8	