

Science 7

Unit 1 Topic 2 Structure and Adaptations

Name:

Date:

1.) By looking at a plants structures (roots, leaves, etc) we can guess the type of adapt it grows in. What is an adaptation of many desert plants? 1 mark

2.) What are three functions that roots perform? 3 marks

a.)

b.)

c.)

3.) What are taproots useful for in many plants? Pg. 105 1 mark

4.) What are root hairs useful for in plants? Pg 105 1 mark

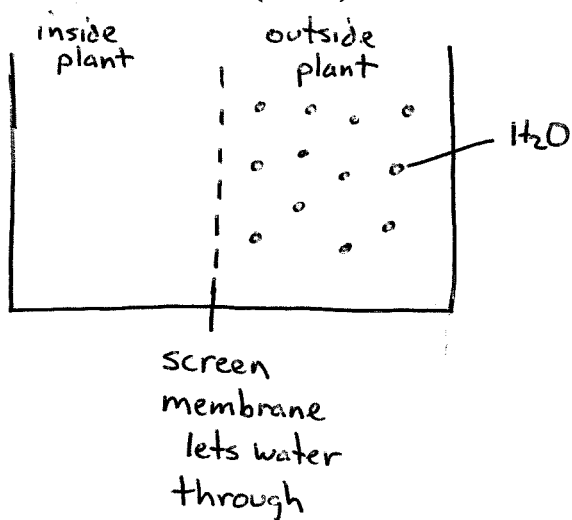
5.) What are three benefits to a plant that grows close to the grow in a mountainous habitat? 3marks pg. 105

6.) What is diffusion? 1 mark

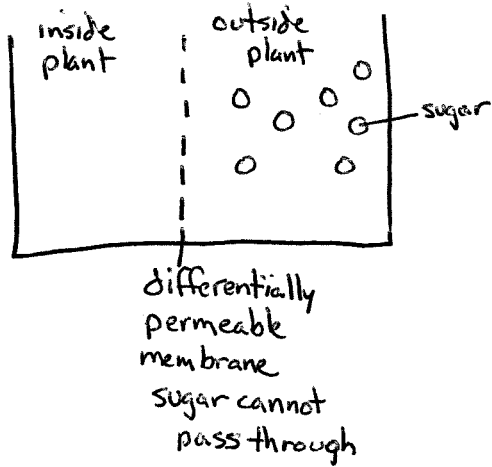
7.) What is osmosis? 1 mark

8.) What is a differentially permeable ? 1 mark

9.) Look at the diagram below. Draw what this diagram would look like after a little more time has passed? Explain why using the term diffusion or diffuse.(think) 2 marks



- 10.) Look at this diagram below. Draw ~~what~~ this diagram would look like after some time has passed? Explain why using the term osmosis and differentially permeable membrane. 2 marks



- 11.) What are three functions of the stem? 3 mark page 108 and 109

12.) Define the following terms:

a.) Xylem:

b.) Phloem:

c.) Cambium:

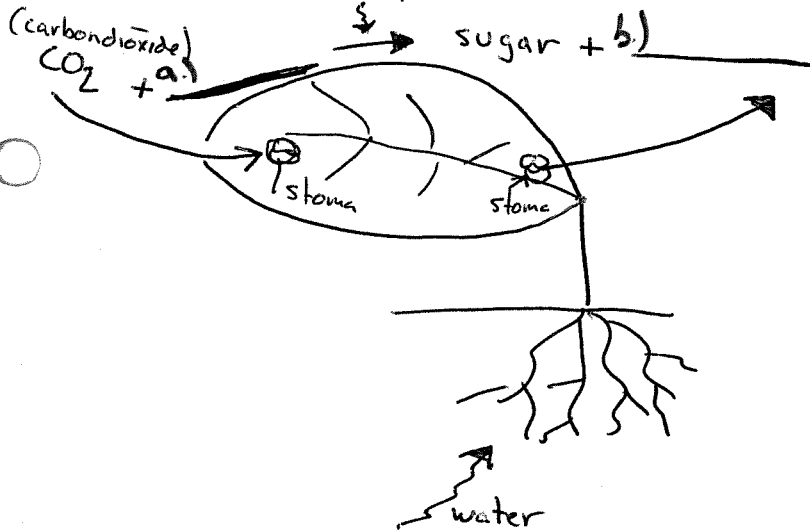
d.) Bark:

13.) Complete the photosynthesis model below (recall from grade 6) page

110

sunlight

(2 marks)



14.) What is the purpose of stomata (stoma) on plant leaves 1 mark pg 110 and 111

15.) Do Review Pg 114q 3, 7,8

3.)

7.)

8.)

16.) define the following terms

a.) fibrous root:

b.) Chlorophyll:

c.) respiration:

d.) transpiration: