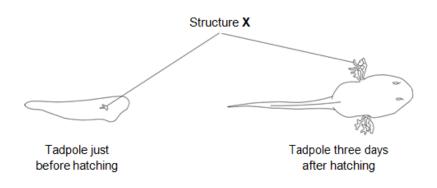
Exchange Surfaces 2

	alveoli	phloem	root hairs	stomata	
	storage organs	s villi	xyler	n	
a)(i) №	Nost water enters a plant t	hrough			_
					(1 n
) (ii) TI	he water is transported up	the stem to th	e leaves in the _		
					(1 n
) (iii) Ca	rbon dioxide enters leave	s through			
					(1 n
) (iv) A	leaf uses the carbon dioxi	de to produce s	ugars.		
ugars are transported to through					
e					
					(2 n

Q:2 The young stages of frogs are called tadpoles. The tadpoles live in fresh water. The drawings show a tadpole just before hatching and three days after hatching. Structure X helps in the exchange of substances between the tadpole and the water.



(a)	Name one substance, other than food, that the tadpole needs to exchange with the
	water in order to grow.

(1 mark)

(b) Suggest how the changes in the tadpole shown in the drawings help it to survive as it grows larger. You should not refer to movement in your answer.

To gain full marks you should refer to structure X.

	- (4 marks)
Q:3 Figure 3 shows part of a plant root.	
The plant root is adapted for absorbing water from the soil. Use information from Figure plant root is adapted for absorbing water.	3 to explain how this
TOTAL MARKS=13	[3 marks]