1. Match structures given in Column I with functions given in Column II.

Column I	Column II
(i) Stomata	(a) Absorption of water
(ii) Xylem	(b) Transpiration
(iii) Root hairs	(c) Transport of food
(iv) Phloem	(d) Transport of water
-	(e) Synthesis of carbohydrates

Answer:

Column I	Column II
(i) Stomata	(b) Transpiration
(ii) Xylem	(d) Transport of water
(iii) Root hairs	(a) Absorption of water
(iv) Phloem	(c) Transport of food

2. Fill in the blanks :
(i) The blood from the heart is transported to all parts of the body by the _____
(ii) Haemoglobin is present in _____ cells.
(iii) Arteries and veins are joined by a network of _____.
(iv) The rhythmic expansion and contraction of the heart is called _____
(v) The main excretory product in human beings is _____
(vi) Sweat contains water and _____.
(vii) Kidneys eliminate the waste materials in the liquid form called _____.
(viii) Water reaches great heights in the trees because of suction pull caused by _____.
Answer:
(i) arteries
(ii) red blood cells
(iii) capillaries
(iv) heartbeat
(v) urea
(vi) salts
(vii) urine
(viii) transpiration.

3. Choose the correct options:
(a) In plants, water is transported through
(i) Xylem
(ii) Phloem
(iii) Stomata
(iv) Root hair
(b) Water absorption through roots can be increased by keeping the plants

(i) In the shade
(ii) in dim light
(iii) under the fan
(iv) covered with a polythene bag
Answer:
(a) (i) Xylem
(b) (iii) under the fan

4. Why is transport of materials necessary in a plant or an animal? Explain.
Answer: Transport of materials is necessary for plants or animals because due to it the nutrients and oxygen are made available to all the parts of the body. If the transport of necessary nutrients and oxygen does not take place in the body, the body will not be able to survive.

5. What will happen if there are no platelets in the blood?
Answer: The blood platelets are responsible for the clotting of the blood. When some injury occurs blood starts flowing. But it clots on its own. If there are no platelets, the blood will not be able to clot and keep on flowing. Huge loss of blood ultimately causes death.

6. What are stomata? Give two junctions of stomata.
Answer: There are small openings on the lower surface of the leaves. These pores are called stomata. These openings are surrounded with guard cells.
Functions of stomata:
1. It helps in the transpiration of water, i.e., the loss of excess water from the plant.
2. Loss of water from the stomata creates an upward pull, i.e., suction pull which helps in absorption of water from the roots.
3. They help in exchange of gases.

********** END **********