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Transportation in Animals and Plants!

Q1 Match the following :-

i) Stomata — b) Transpiration

ii) Xylem — d) Transport of water

iii) Root hairs — a) Absorption of water

iv) Phloem — c) Transport of food

Q2 Fill in the blanks :-

i) The blood from the heart is transported to all parts of the body by the Arteries.

ii) Haemoglobin is present in Red blood cells.

iii) Arteries and veins are joined by a network of capillaries.

iv) The rhythmic expansion and contraction of the heart is called heart beat.

v) The main excretory product in human beings is Urea.

vii) Sweat contains water and salt.

viii) Kidneys eliminate the waste materials in the liquid form called urine.

viii) Water reaches great height in the tree because of suction pull caused by Transpiration.

Q3 Choose the correct option:

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

Q4 Why is transport of materials necessary in a plant or in an animal? Explain

Ans • Transport of material is necessary for plants and animals because cells need a regular supply of nutrients and oxygen for releasing energy through respiration.

Q5 • What will happen if there are no platelets in the blood?

Ans → If there is no platelets, the blood would not be able to clot.

Q6 • What are stomata? Give two functions of stomata.

Ans → Stomata are the tiny pores present on the surface of leaves.

function →
i) help in gaseous exchange.
ii) Transpiration.

Q7 • Does transpiration serve any useful functions in plants? Explain.

Ans → Transpiration helps in distribution of water throughout the plant's body. It also helps in cooling the plants.

Q8 • What are the components of blood?

→ The blood consists of plasma, W.B.C., ~~R.B.C.~~ R.B.C and platelets.

Q9. Why is blood needed by all the parts of a body?
→ Blood circulates and distribute the food, oxygen to every cell. It also carries the waste product from different part of body for excretion.

Q10. What makes the blood look red?
→ Blood is red due to presence of Red pigment (Haemoglobin) in R.B.C.

Q11. Describe the function of the heart?
→ Heart pumps the blood to body parts.

Q12. Why is it necessary to excrete waste products?
→ Excretory products are toxic for body. If excretory products accumulates in body the person will not survive.

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