

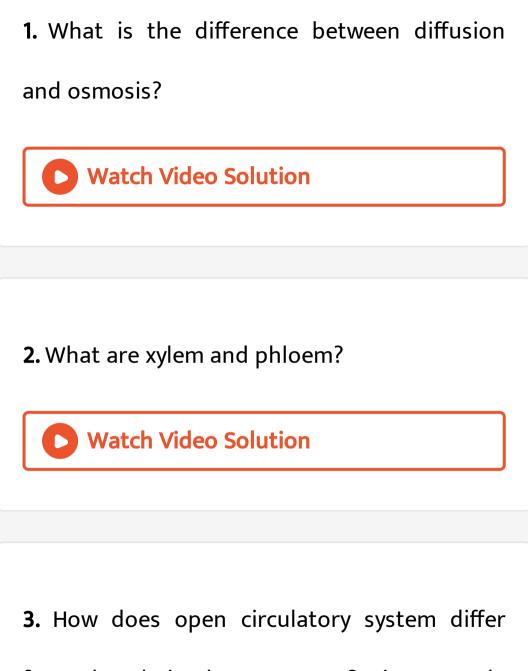
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BIOLOGY

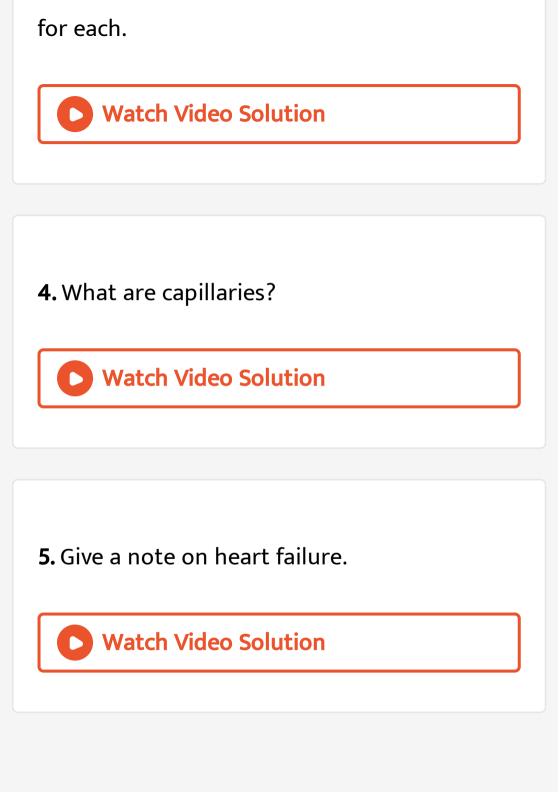
BOOKS - PEARSON IIT JEE FOUNDATION

TRANSPORTATION IN PLANTS AND ANIMALS

Quick Recap



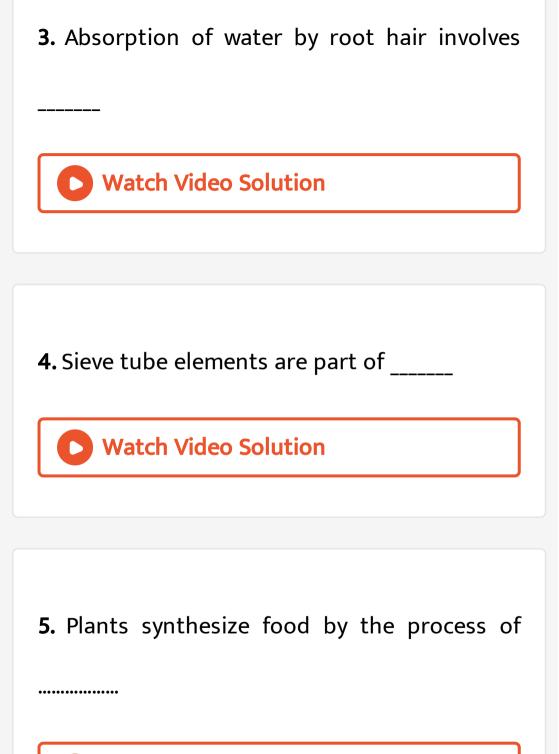
from closed circulatory system? Give example



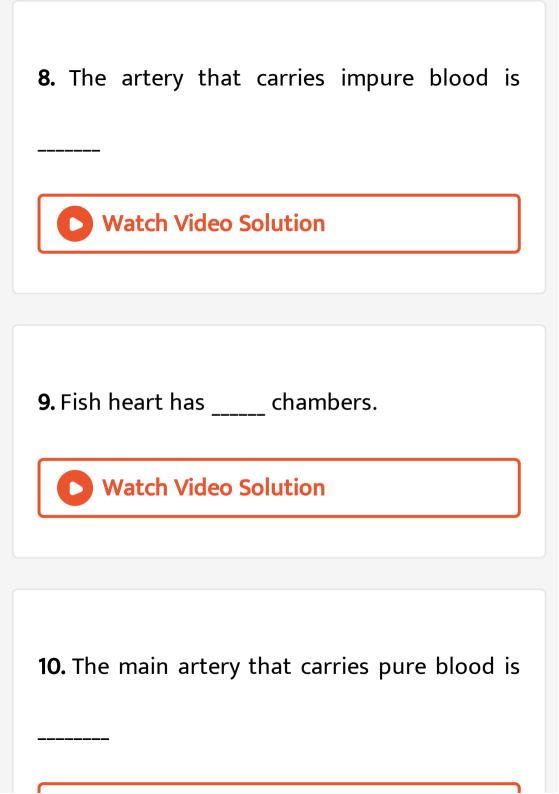
In plants, food transport takes place through _____
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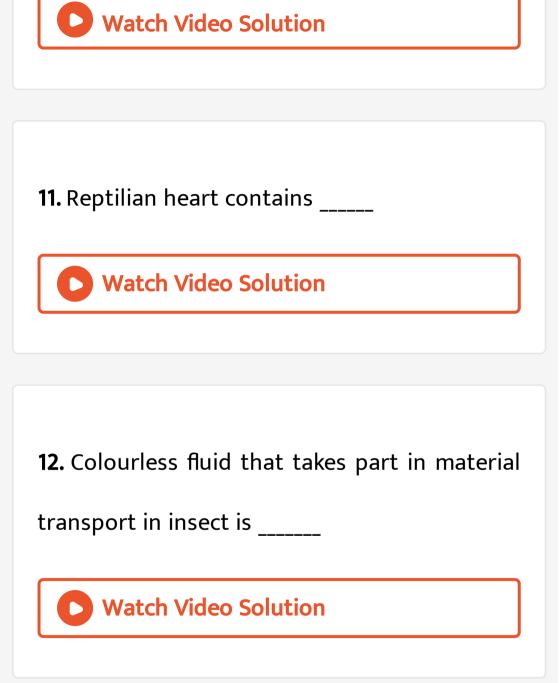
2. Specialized openings present on leaves are

called _____

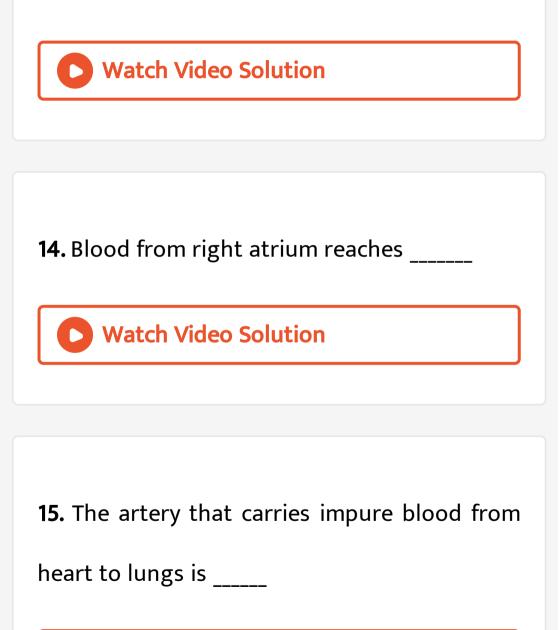


6. The device used to check heart beat is
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7. The condition characterized by high blood
pressure is
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13. The concave disc-shaped blood cell is _____



Test Your Concepts Select The Correct Alternatives

1. The transport through xylem is _____ and transport through phloem is _____

A. both unidirectional

B. both bidirectional

C. bidirectional and unidirectional

D. unidirectional and bidirectional

Answer: D



2. The green pigment present in plants is called

A. chlorophyll

B. haemolymph

C. chloroplast

D. haemoglobin





3. The main driving force behind the upward movement of water through xylem is _____

A. guttation

B. transpiration

C. pressure flow

D. None of these

Answer: B



4. Which of the following is a correct statement?

A. Transpiration involves loss of water in the form of liquid.

B. Guard cells are the specialized opening

through which transpiration occurs.

C. Transpiration provides a cooling effect

to plants.

D. Transport of water through phloem is

unidirectional

Answer: C

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5. Movement of water molecules from higher concentration to lower concentration through semi permeable membrane is called

A. osmosis

B. diffusion

C. transpiration

D. Both (b) and (c)

Answer: A

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6. Heart of fish contain:

A. One atrium and one ventricle

B. Two atria and one ventricle

C. Two atria and two ventricles

D. One atrium and two ventricles

Answer: A

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7. The major veins that carry impure blood from various body parts to heart is/are _____

A. inferior vena cava

B. aorta

C. superior vena cava

D. Both (a) and (c)

Answer: D

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8. Aorta carries pure blood from:

A. Left ventricle to body parts

B. Body parts to right atrium

C. Body parts to left atrium

D. Right ventricle to other body parts

Answer: A

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9. Pulmonary vein carries blood from:

A. Heart to lungs

B. Lungs to heart

C. Heart to various body parts

D. Other body parts to heart

Answer: B

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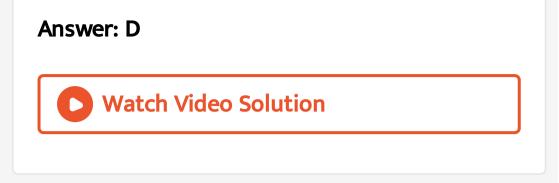
10. The heart of a crocodile consists of

A. One atrium and two ventricles

B. Two atria and one ventricle

C. One atrium and one ventricle

D. Two atria and two ventricles

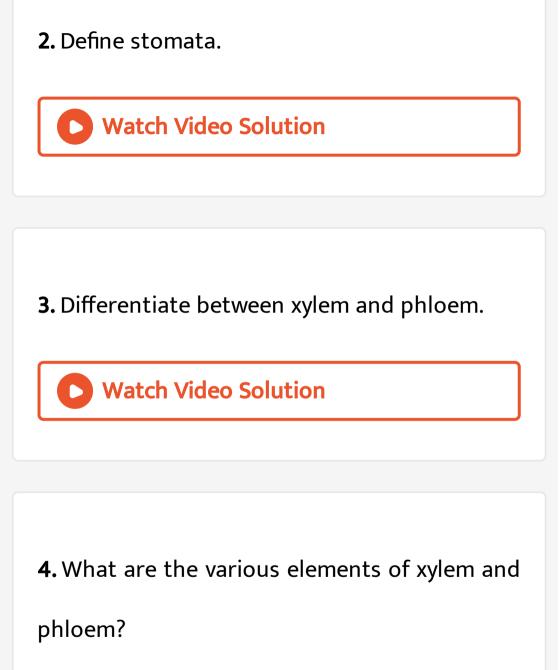


Mastering The Concepts Knowledge And Understanding

1. What is transpiration? Name the cells that

regulate transpiration.





5. Differentiate between artery and vein.



6. What is blood and what are the various

components of blood?

7. 'All arteries do not carry oxygenated blood'.

Justify the statement.

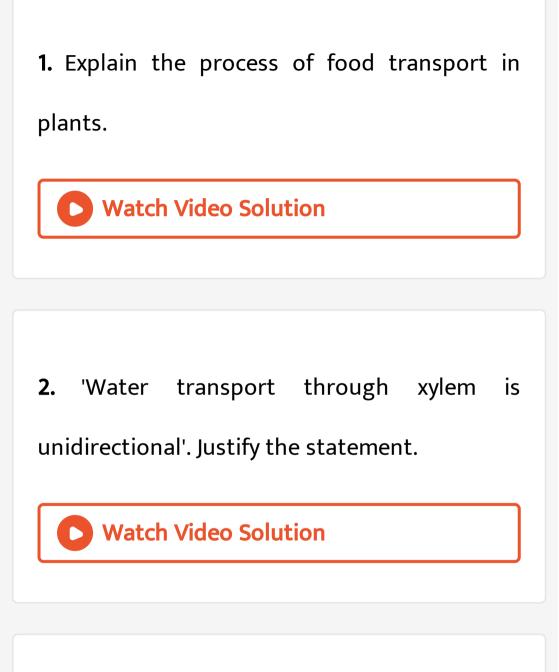
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8. What is pulse rate? What does low heart

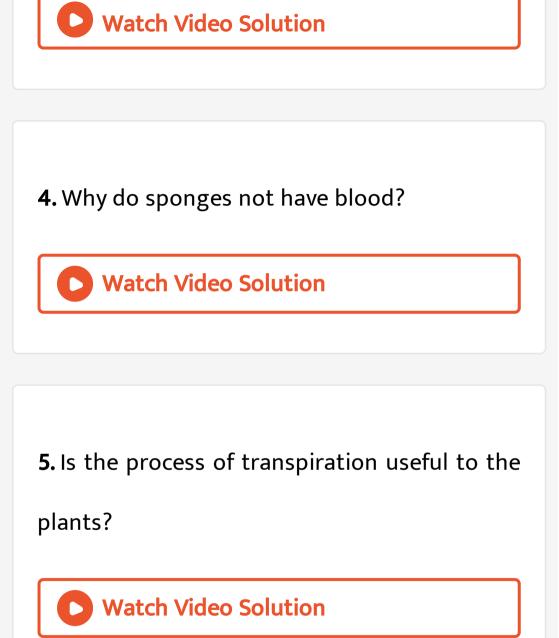
beat indicates?

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Mastering The Concepts Application And Analysis



3. Explain the blood circulation in humans.



6. Platelets are found in blood along with RBCs and WBCs. What will happen if they are removed from the blood?



7. Arteries have thick walls than veins. Justify.



8. Why do only veins have valves and not arteries?