



## BIOLOGY

# BOOKS - BHARATI BHAWAN BIOLOGY (HINGLISH)

## TRANSPORTATION

A Very Short Answer Questions

1. Define translocation.

**2.** What do you mean by ascent of sap in plants ?



3. Which tissue plays the most important role

in upward transporation in plants ?

**4.** Name the vascular tissue which transports food from the leaves to different parts of plant.



### 5. Name the three types of blood corpuscles.



**6.** Why are red blood cells red in colour ?



**7.** What is the main function of white blood cells ?

**Watch Video Solution** 

8. Which blood vessels bring oxygenated

blood from the lungs to the left atrium ?



1. How is water absorbed by the roots of

plants ?

Watch Video Solution

2. Differentiate between an artery and a vein.

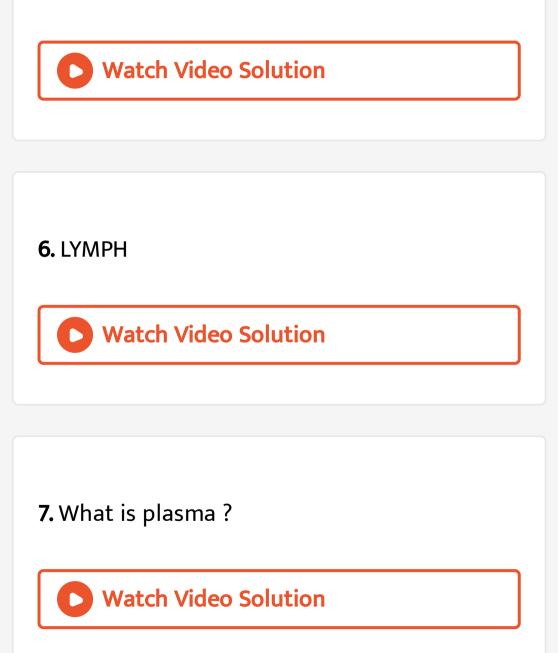
3. Why is RBC suitable for transport of oxygen

in the body?

Watch Video Solution

**4.** Name the constituents of blood. White blood corpuscles are called the 'soldiers' of the body. Why ?

5. Describe the process of blood clotting.



8. Write one function each of the following components of the circulatory system in humans.

(a) Blood vessels , (b) Blood platelets

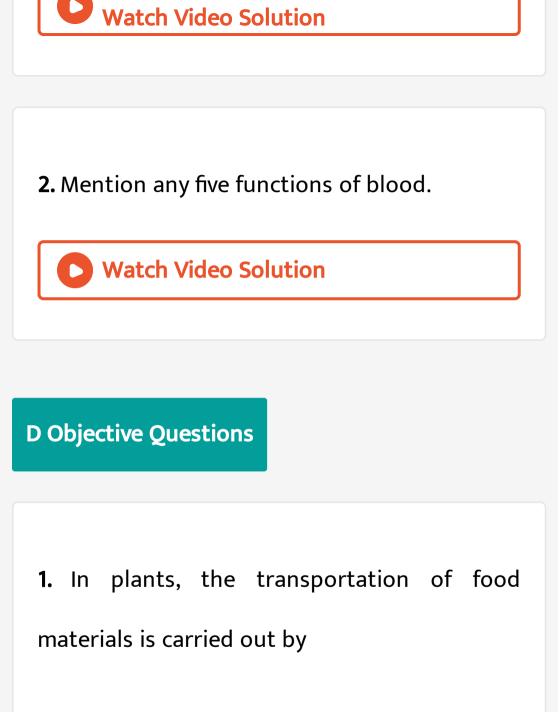
(c)Lymphy, (d) Heart

Watch Video Solution

C Long Answer Questions

**1.** Describe the structure of human heart.





A. xylem

B. phloem

C. root hair

D. palisade cells

Answer: B

Watch Video Solution

**2.** Explain how water and minerals are transported in plants?

A. xylem

B. phloem

C. leaves

D. lenticels

Answer: A

Watch Video Solution

3. The capillaries join to form

A. arterioles

**B.** arteries

C. veins

D. venules

Answer: D

View Text Solution

4. What is blood pressure ?

A. The pressure of blood on the hear

muscles

B. The pressure of flow of blood exerted on

the walls of arteries and veins

C. The pressure of blood on the walls of

veins only

D. The pressure of blood on the walls of

arteries only

Answer: D

View Text Solution

5. Which of the following blood vessle have

thick, elastic walls?

A. Veins

**B.** Capillaries

C. Arteries

D. All of these

Answer: C

View Text Solution

6. Which of the following animals has a single

circulation system ?

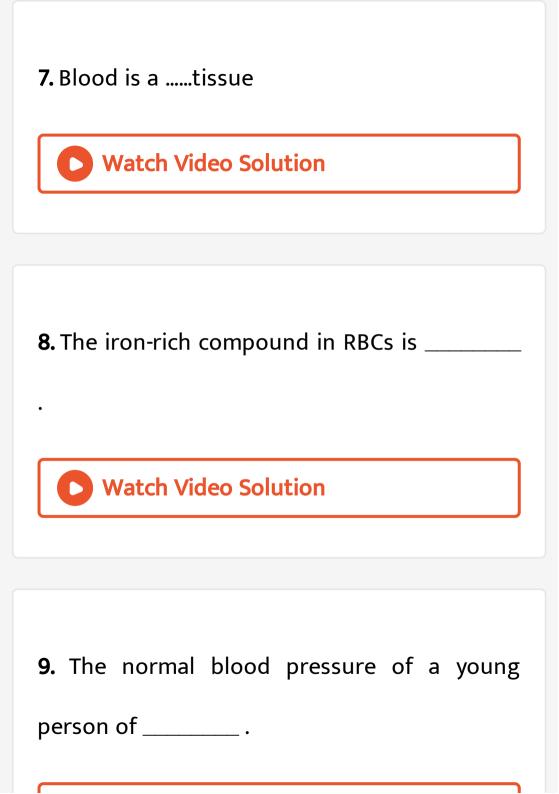
A. Frog

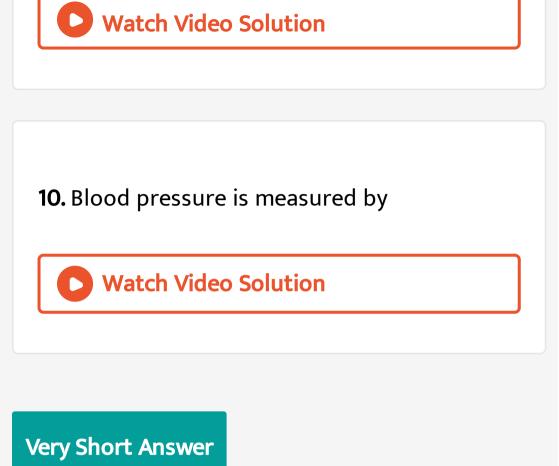
B. Bird

C. Crocodile

D. Fish

Answer: D





1. Which chamber of the heart receives impure

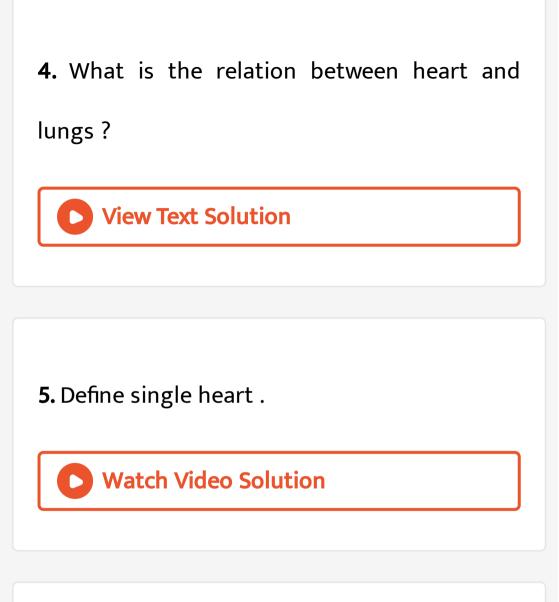
blood from the body?

**2.** Where does blood go from the right ventricle ?

**Watch Video Solution** 

3. What is the function of heart valves ?

**View Text Solution** 



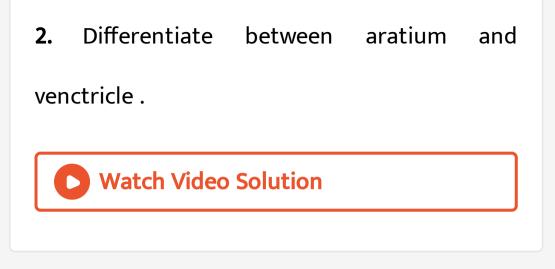
6. Define double heart.

#### 7. Define transitional heart.

Watch Video Solution

Short Answer

**1.** Differentiate between an artery and a vein.



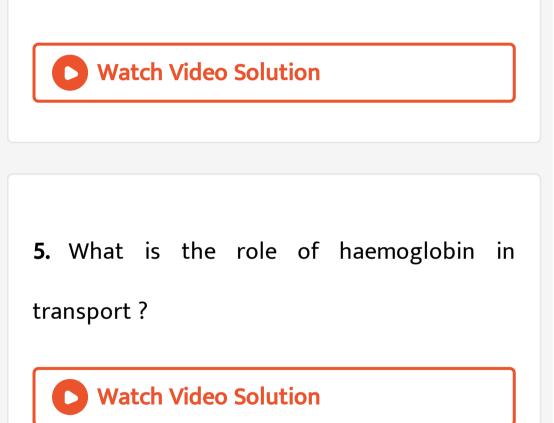
### 3. Write down the essential features of fish

heart.



4. Mention the role of pacemaker in human

heart.



Long Answer

1. Why is the advantage of having four chambered heart ?
Watch Video Solution

**Objective Question** 

**1.** Which of the following is/are correect about heart ?

A. Left ventricle recerives pure blood.

B. Right ventricle pumps impure blood.

C. Left atrium has thicker wall than the right ventricle. D. Right atrium opens into the left ventricle Answer: a,b **View Text Solution** 

**2.** When heart contracts to pump blood, the flow has to be unidirectional. This is ensured

A. valves

- B. muscles
- C. SA node
- D. Pericardium

Answer: a,b



3. Single circulation is shown in which group ?

A. Sharks, whales

B. Flying fish, bats

C. Tree frogs, Climbing prech

D. Gold fish, carps

Answer: d

View Text Solution

4. Double circulation can be seen in

A. turtle

B. chimpanzee

C. boa

D. dog

Answer: b,d



5. which is/are incorrect ?

A. Right ventricle has the thickest wall.

B. Left ventricle has the thickest wall.

C. Valves are located in the left side.

D. Pacemaker lies in the right side of the

heart

Answer: a,c



6. What is correct about pulmonary artery?

A. It contains pure blood.

B. It contains impure blood.

C. It sends blood to the gills.

D. it sends blood to the walls of the heart.

Answer: b,d

View Text Solution

7. What is correct about pulmonary vein ?

A. It supplies blood to the valnes.

B. It is the longest vein.

C. It has pure blood that comes from the

liver.

D. It brings pure blood to the left atrium .

#### Answer: D

View Text Solution

8. How is a vein different from an artery gt?

A. In carrying deoxygenated blood

B. In having greater elasticity

C. In having valves

D. All of the above



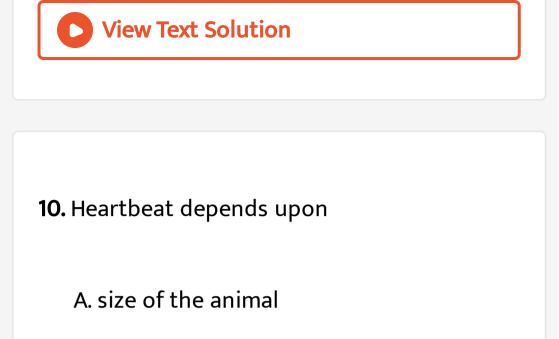


#### 9. Pacemaker of the heart is

A. nervous tissue

- B. situated in the left atrium
- C. muscular tissue
- D. none of the above

Answer: c



- B. physical activity
- C. pacemaker
- D. All of the above

#### Answer: d





**1.** Hear is situated in the middle of the \_\_\_\_\_ cavity

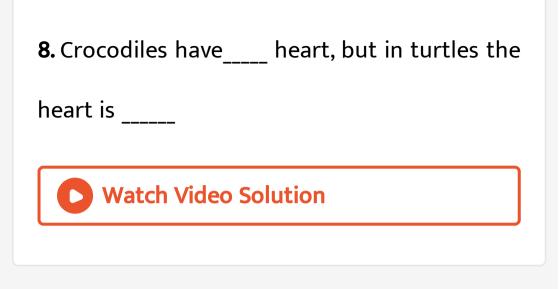
View Text Solution

2. The membrane that surrounds the heart is

called \_\_\_

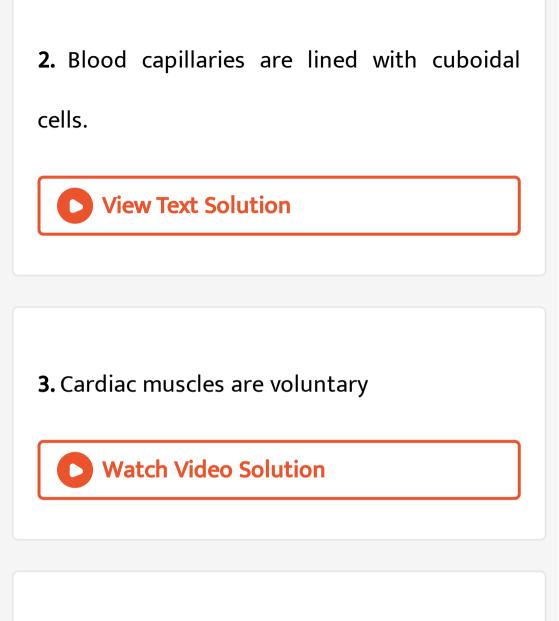
<b>3.</b> Right side of the heart contains blood.
<b>Watch Video Solution</b>
<b>4.</b> Heart of fish pumps blood, whereas the
<b>4.</b> Theart of fish pumps blood, whereas the
heart of bird pumps blood.
View Text Solution
<b>5.</b> Heart is largely composed of muscles.
<b>Watch Video Solution</b>

<b>6.</b> Valves prevent flow of blood and are
also present in
View Text Solution
<b>7.</b> Cardiac cycle is divided into and phase.
<b>Vatch Video Solution</b>



True T Or False F

1. Arteries are more musclar than veins



**4.** Pericardial fluid is called lymph.

**View Text Solution** 

5. In fish, the heart receives only pure blood.

View Text Solution

6. The velocity of blood in veins is greater than

that in arteries.



7. Lymph and plasma have the same chemical

composition.

View Text Solution

#### Put Tick Marks In Appropriate Boxes



**View Text Solution**