

WORKSHEET 2

CHAPTER 8 – THE CIRCULATORY SYSTEM

A. Name the following.

1. The phase of cardiac cycle in which the ventricles relax.
2. The membrane covering the heart.
3. The valve present in between right atrium and right ventricle.
4. The element needed for blood clotting.
5. Process by which leucocytes squeeze out through capillaries wall.

B. Fill in the blanks.

1. The thread-like structures that hold the cuspid valves are _____
2. The part of the blood from which fibrin is removed _____
3. The command for the heart beat starts from _____
4. The pulse rate of a normal adult human is _____ per minute.
5. Blood group _____ is universal recipient.

C. State whether the following statements are True or False.

1. Iron is the mineral element responsible for the clotting of blood.
2. Systolic pressure indicates the upper limit of BP.
3. The blood plasma from which fibrinogen has been removed is known as lymph.
4. Mammals have open circulatory system.
5. New RBCs are produced in the heart.

D. Choose the correct option.

1. In humans, the portal vein carries blood from the intestine to the
a. kidney. b. liver. c. heart. d. both a. and b.
2. Which of the following blood vessels in humans comes with the least concentration of urea?
a. Hepatic Vein b. Renal Vein c. Renal artery d. Hepatic artery
3. Thrombokinase is
a. an antibody. b. released by platelets. c. an enzyme. d. a waste product.
4. Which is the universal donor blood group?
a. A b. B c. O d. AB

Name:

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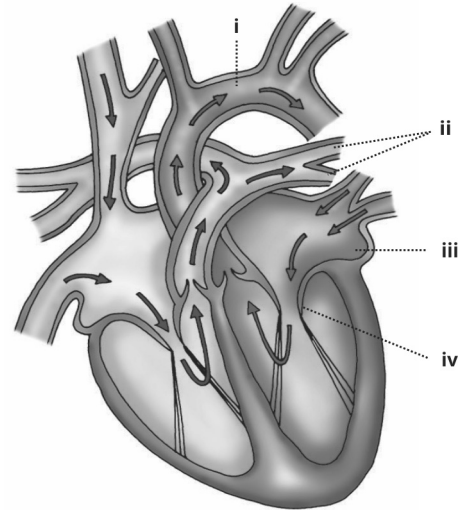
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5. The exchange of gases, nutrients etc. are done by
- a. capillaries only.
 - b. capillaries, veins and arteries.
 - c. capillaries and arteries.
 - d. capillaries and veins.

E. The diagram represents the human heart in one phase of its functions. Study the same and answer the following questions.

1. Name the phase.
2. Which part of the heart is contracting in this phase? Give reason to support your answer.
3. Name the parts labelled **i** to **iv**.
4. What type of blood flows through **ii**?
5. State the function of the part numbered **v**.



ANSWERS

WORKSHEET 2

A. Name the following.

1. Ventricular diastole
2. Pericardium
3. Tricuspid valve
4. Calcium
5. Diapedesis

B. Fill in the blanks.

1. chordae tendineae
2. serum
3. pacemaker
4. 72
5. AB

C. State whether the following statements are True or False.

1. False
2. True
3. False
4. False
5. False

D. Choose the correct option.

1. b.
2. a.
3. c.
4. c.
5. a.

E. The diagram represents the human heart in one phase of its functions. Study the same and answer the following questions.

1. Ventricular systole
2. Ventricles are contracting as cuspid valves are closed and semilunar valve are opened.
3.
 - i. Aorta
 - ii. Pulmonary arteries
 - iii. Left atrium
 - iv. Left atrioventricular valve
4. Oxygenated blood
5. Pulmonary semilunar valves prevent the deoxygenated blood to enter into the right atrium.