

Chapter 6: Human Circulatory System

Worksheet 1

1. Fill in the blanks.

- (i) Haemoglobin combines with oxygen to form _____.
- (ii) _____ and _____ are the sounds of heart.
- (iii) A _____ is used to measure blood pressure.
- (iv) The _____ form the walls of the heart.
- (v) _____ arteries carry deoxygenated blood.

2. Write T for true and F for false statement.

- (i) Diastole represents general pause.
- (ii) Platelets help in blood clotting.
- (iii) Right auricle receives oxygenated blood from the body.
- (iv) Blood group AB is a universal donor.
- (v) Left ventricle has the thickest walls.

3. Match the following.

Column A

- (i) Pulse
- (ii) Veins
- (iii) Semilunar valves
- (iv) Stethoscope
- (v) Auricles

Column B

- (a) Aorta
- (b) Receiving chambers
- (c) Radial artery
- (d) Wide lumen
- (e) Lub-dub sound

4. Give one word answer.

- (i) The person who discovered blood groups in human beings
- (ii) A centre where blood is stored and preserved for later use
- (iii) Giving blood voluntarily for saving some one's life
- (iv) The artery in wrist with which heartbeat is felt
- (v) Transfer of blood from one person to other

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Worksheet 2

1. Tick the correct answer.

- (i) A person with antigen A will have blood group
(a) A (b) B (c) O (d) AB
- (ii) Which of these is the universal recipient blood group?
(a) A (b) B (c) O (d) AB
- (iii) Valves are found in
(a) arteries (b) veins (c) heart (d) veins and heart
- (iv) The largest vein is
(a) aorta (b) vena cava (c) pulmonary vein (d) venule
- (v) Pulmonary circulation is the circulation of blood through
(a) lungs (b) heart (c) kidney (d) brain

2. Cross the odd one out.

- (i) Systole, Diastole, Lub-dub, Peristalsis
(ii) Artery, Vein, Capillary, Cardiac muscles
(iii) W.B.C., R.B.C., Platelets, Haemoglobin
(iv) Heartbeat, Pulse, Pulse polio, Systole
(v) Tricuspid valves, Bicuspid valves, Semilunar valves, Aorta

3. Name the following.

- (i) An oxygen-carrying pigment
(ii) The soldiers of the body
(iii) The nonliving part of blood
(iv) The largest artery in the body
(v) The time duration of cardiac cycle

4. Draw the following.

- (i) Blood vessels
(ii) A part of vein showing valves
(iii) A capillary network joining an artery and a vein