

Chapter 6: Circulatory System

Worksheet 1

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

- (i) Heart pumps blood into body organs directly.
- (ii) Tricuspid valves are found in right atrium.
- (iii) Aorta from left ventricle carries deoxygenated blood.
- (iv) Diastole is a phase of joint relaxation during a cardiac cycle.
- (v) Lymph vessel in villi is called lacteal.

2. Give one word answer.

- (i) The muscles of heart
- (ii) A muscular wall between right and left ventricles
- (iii) The fine blood vessels joining arteries with veins
- (iv) The universal blood donor
- (v) The sudden failure of heart to pump the blood

3. Match the following.

Column A

- (i) Hypertension
- (ii) Adenoids
- (iii) Receiving chambers
- (iv) Coronary artery
- (v) Pulmonary circulation

Column B

- (a) Lungs and heart
- (b) Heart muscles
- (c) Lymph node
- (d) 140/90
- (e) Atria

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Worksheet 2

1. Tick (✓) the correct word.

- (i) **Lub/Dub** sound is heard on the closure of cuspid valves.
- (ii) Circulation between heart and body parts is called **pulmonary/systemic** circulation.
- (iii) **Pulmonary aorta/Aorta** is the largest and the longest artery in the body.
- (iv) **Right/Left** ventricle is the largest heart chamber.
- (v) Lymph vessels **have/do not have** valves.

2. Fill in the blanks.

- (i) The _____ is a connecting link between tissue fluid and blood.
- (ii) Blood group _____ is called universal donor, whereas _____ is called universal acceptor.
- (iii) All arteries carry oxygenated blood except _____ artery.
- (iv) Pulse can be felt at _____ artery in the wrist.
- (v) _____ is the phase of contraction of heart muscles during heartbeat.

3. Answer the following questions.

- (i) What is pericardium?
- (ii) What is the function of valves found in different organs of circulatory system?
- (iii) What is double circulation?
- (iv) What is pacemaker in heart?
- (v) What is pulse and pulse rate?