

Match the following vocabulary terms with their correct definition:

aortic semilunar valve
 arrhythmias
 arteries
 atria
 atrioventricular valves
 diastole
 electrocardiogram
 heart

pacemaker cells
 pulmonary semilunar valve
 semilunar valves
 systole
 tricuspid valve
 valves
 veins
 ventricles

- 1) _____ a device used to detect the electrical impulses generated by cardiac muscle
- 2) _____ atrioventricular valve located between the right atrium and right ventricle
- 3) _____ device which control the passage of fluid in one direction
- 4) _____ irregular patterns in nerve impulses caused by pacemaker cells
- 5) _____ large blood vessels responsible for carrying blood away from the heart and towards the various tissues of the body
- 6) _____ large blood vessels which deliver blood into the left atrium and right atrium of the heart
- 7) _____ located within the right atrium; generate a rhythmical flow of nerve impulses throughout all of the cardiac muscle tissue causing muscular contraction
- 8) _____ main organ of the cardiovascular system; responsible

for pumping all bodily fluids throughout each system

- 9) _____ one of two valves which close after blood has exited the right ventricle (pulmonary semilunar valve) and left ventricle (aortic semilunar valve)
- 10) _____ semilunar valve which closes after blood has exited the left ventricle
- 11) _____ semilunar valve which closes after blood has exited the right ventricle
- 12) _____ two lower chambers within the heart
- 13) _____ two upper chambers within the heart
- 14) _____ two valves located between the right atrium and right ventricle (tricuspid valve) and left atrium and left ventricle (bicuspid valve)
- 15) _____ phase of the cardiac cycle where the heart refills with blood after systole
- 16) _____ phase of the cardiac cycle where blood is forced out of the heart and into the arteries

Choose the correct answer from the following questions:

1) The right atrioventricular valve is known as the:

- A) pulmonary semilunar valve
- B) aortic semilunar valve
- C) tricuspid valve
- D) bicuspid valve
- E) mitral valve

2) When the ventricles contract, the bicuspid valve prevents blood from flowing from the:

- A) left ventricle to the left atrium
- B) right ventricle to the right atrium
- C) right atrium to the left atrium
- D) left atrium to the right atrium
- E) left ventricle to the right ventricle

3) The tricuspid valve is located between the:

- A) right ventricle and the pulmonary trunk
- B) left ventricle and pulmonary artery
- C) right atrium and right ventricle
- D) right atrium and left atrium
- E) left ventricle and aorta

4) Which one of the following is true concerning the lub-dub sounds of the heart:

- A) the first sound is caused by the closing of the atrioventricular valves; the second sound is caused by closure of the semilunar valves
- B) the first sound is caused by closure of the tricuspid valve; the second sound is caused by closure of the mitral valve
- C) the first sound is caused by closure of the tricuspid valve; the second sound is caused by closure of the mitral valve
- D) the first sound is caused by closure of the semilunar valves; the second sound is caused by closure of the atrioventricular valves