

ATI TEAS SELF QUIZ: Cardiovascular System Test Questions & Answers 2023-2024.

Name the 4 parts to the cardiovascular system - **Correct ANS:** heart,
blood vessels, blood, and lymphatic system

is the cardiovascular system and open or closed system? - **Correct ANS:**
closed

what is cardiac tissue called - **Correct ANS:** myocardium

what is the surrounding sac of the heart called? - **Correct ANS:**
Pericardium

the 4 chambers of the heart is divided by the? - **Correct ANS:** median
septum

What is the pulmonary system? - **Correct ANS:** sends blood to lungs

What is the systemic system? - **Correct ANS:** sends blood to the rest of
the body

arteries have what kind of walls? - **Correct ANS:** thick smooth muscle to withstand pressure of a forceful heartbeat

Capillaries are how many cells thick? what happens here? - **Correct ANS:** one cell thick and allows for gas and nutrients to exchange to tissues and lungs

veins have valves - why? - **Correct ANS:** to help blood move in the right direction and prevent blood from flowing back

explain the Heart blood path including valves (start from superior and inferior vena cava) - **Correct ANS:** superior and inferior vena cava -> Right atrium -> tricuspid valve -> right ventricle -> pulmonary valve -> pulmonary artery -> lungs -> pulmonary veins -> left atrium -> bicuspid valve (mitral valve) -> left ventricular -> aortic valve -> aortic -> tissues -> superior and inferior vena cava

explain what happens when the atrium and ventricles contract - **Correct ANS:** atria contracts which fills the ventricles and ventricular contraction empties them forcing circulation

What causes the right and left atria to contract? - **Correct ANS:** the SA node

what is known as a pacemaker? - **Correct ANS:** SA node

After the SA node what happens? - **Correct ANS:** AV node and then the AV bundle and then the Purkinje fibers are sparked causing ventricles to contract

contraction of the atria followed by the ventricles is called? - **Correct ANS:** systole (think of Sister's pregnancy = Contractions)

The rest phase of the heart is known as - **Correct ANS:** Diastole (think of Dying is relaxing)

What makes the "lub dub" sound - **Correct ANS:** av valves makes first lub and semilunar valves makes the dub sound