

The Heart Post-Test Answer Key

1. Starting with the superior and inferior vena cava, correctly identify the path of blood flow through the heart, ending with the aorta.
 - Superior and inferior vena cava to right atrium
 - Right atrium through tricuspid valve into right ventricle
 - Right ventricle through pulmonary valve into pulmonary arteries
 - Pulmonary arteries, through the lungs, into the pulmonary veins
 - Pulmonary veins into left atrium
 - Left atrium through mitral valve into left ventricle
 - Left ventricle, through the aortic valve, into the aorta
2. Which valve separates the left atrium from the left ventricle?
Mitral valve
3. Which valve separates the right atrium from the right ventricle?
Tricuspid valve
4. Where is the aortic valve located?
It separates the left ventricle from the aorta
5. Which vessel carries oxygenated blood away from the heart?
Aorta
6. Which vessel carries deoxygenated blood away from the heart?
Pulmonary arteries
7. What is the function of the valves in the heart?
To prevent cardiac regurgitation (backflow of blood into or through the heart)
8. Which type of chamber is responsible for pushing blood out of the heart: atria or ventricles?
Ventricles