**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**

1. **Which valve separates the left atrium from the left ventricle?**

**Mitral valve**

1. **Which valve separates the right atrium from the right ventricle?**

**Tricuspid valve**

1. **Where is the aortic valve located?**

**It separates the left ventricle from the aorta**

1. **Which vessel carries oxygenated blood away from the heart?**

**Aorta**

1. **Which vessel carries deoxygenated blood away from the heart?**

**Pulmonary arteries**

1. **What is the function of the valves in the heart?**

**To prevent cardiac regurgitation (backflow of blood into or through the heart)**

1. **Which type of chamber is responsible for pushing blood out of the heart: atria or ventricles?**

**Ventricles**