**OP – Parts of The Heart**

**(Outcome 21)**

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_KEY\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Biology 11**

**Extensions**

**Essentials**

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| --- | --- | --- | --- |
| **Structure** | **Diagram #** | **Function of Structure** | **O**xygenated or **P**oorly Oxygenated |
| **Superior Vena Cava** | 2 | Large vein that brings oxygen-poor blood from the upper part of the body to the right atrium | Poorly oxygenated |
| **Inferior Vena Cava** | 8 | Vein that brings oxygen-poor blood from the lower part of the body to the right atrium | Poorly oxygenated |
| **Right Atrium** | 5 | Receives blood from the superior and inferior vena cava’s | Poorly oxygenated |
| **Right Ventricle** | 7 | Collect and expel blood received from the atrium | Poorly oxygenated |
| **Pulmonary Arteries** | 3 | Bring oxygen-poor blood to the right or left lung | Poorly oxygenated |
| **Pulmonary Veins** | 4 | Bring oxygen-rich blood from each of the lungs to the atrium | Oxygenated |
| **Left Atrium** | 9 | Receives blood from the lung (pulmonary circulation) | Oxygenated |
| **Left Ventricle** | 12 | Collect and expel blood received from the atrium | Oxygenated |
| **Aorta** | 1 | Brings oxygen-rich blood from the left ventricle to the body | Oxygenated |
| **Septum** | 14 | Division between the right and left ventricles | NA |
| **Pericardium** | NA | Protective sac surrounding the heart | NA |
| **Identify and explain the function of the valves within the heart:** | | | |
| Aortic Valve | 11 | Prevents backflow of blood from left ventricle to aorta | Oxygenated |
| Pulmonary Valve | 13 | Prevents backflow of blood from the pulmonary artery to right ventricle | Poorly oxygenated |
| Tricuspid Valve | 6 | Prevents backflow of blood from right atrium to right ventricle | Poorly oxygenated |
| Mitral Valve  (Bicuspid Valve) | 10 | Prevents backflow of blood from left atrium to left ventricle | Oxygenated |

Diagram, engineering drawing

Description automatically generated