**Cardiovascular System Notes**

**Main Function:**

**Parts (2):**

|  |  |
| --- | --- |
| **Pulmonary circuit** | **Systemic Circuit** |
|  |  |

 **Layers of the heart**

**Pericardium**

* **Functions:**

**1)**

**2)**

**3)**

**4)**

**Epicardium**

**Myocardium**

**Endocardium**





 **Chambers of the heart**

**Left Atrium-**

**Right Atrium-**

**Left Ventricle-**

**Right Ventricle-**



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**Valves of the heart**

1.

2.

3.

4.

**Heart Actions**

**Heart Actions**

**The Cardiac Cycle**

* **Atrial systole-**
* **Ventricular systole-**
* **Daistole-**

**Heart Sounds-**

1. **First sound (*lubb*)**
2. **Second sound (*dupp*)**

**Blood Pressure-**

**•Blood pressure**

**•Pulse-**

**•Systolic pressure-**

**•Diastolic pressure-**

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**Electrocardiogram**

|  |
| --- |
| **Essential Questions** |
| **•What role does the heart play in maintaining homeostasis?** | **•What does blood pressure and heart rate indicate?** |
| **•How do changes in the cardiac cycle effect delivery of oxygen to cells?** | **•How do we determine if the cardiovascular system is functioning properly?** |