

Name: \_\_\_\_\_ Per: \_\_\_\_\_

## Ch. 12- Heart Notes

Organs of the cardiovascular system:

1. Heart:
2. Blood vessels:

Two major pathways:

1. Pulmonary Circuit:
2. Systemic Circuit:

Two reference points of the heart:

1. Base:
2. Apex:

The heart is covered by the \_\_\_\_\_.

1. Parietal pericardium:
2. Pericardial cavity:
3. Visceral pericardium:

Layers of the heart wall:

1. Epicardium:
2. Myocardium:
3. Endocardium:

Internal Anatomy of the heart:

Atria:

Right atrium:

Left atrium:

Ventricles:

Right ventricle:

Left ventricle:

Heart sounds (lub dup)

Atrioventricular (AV) Valves:

Tricuspid valve:

Bicuspid valve:

Semilunar valves:

Pulmonary valve (PSLV):

Aortic valve (ASLV):

Septum:

Chordae tendinae:

Papillary muscles:

The Blood Pathway through the heart and body:

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.
- 11.
- 12.
- 13.
- 14.

The Coronary Circuit:

1. Some O<sub>2</sub> rich blood that leaves \_\_\_\_\_ to \_\_\_\_\_ passes into \_\_\_\_\_ that nourish the heart itself (myocardium).
2. After the gas exchange, O<sub>2</sub> poor blood is collected from myocardium by \_\_\_\_\_.
3. \_\_\_\_\_ collects blood from cardiac veins and returns it to \_\_\_\_\_.

When valves do not work...

1. If heart valves do not close properly, there is a \_\_\_\_\_ of blood.
2. Most often, the \_\_\_\_\_ and the \_\_\_\_\_ are replaced with a \_\_\_\_\_ or one taken from a \_\_\_\_\_.

## Coronary Circuit Disorders:

1. Atherosclerosis:

2. Ischemic Heart Disease:

3. Angina Pectoris:

4. Thromboembolism:

5. Myocardial Infarction:

## Prevention and Treatments:

1. Clots can be prevented from forming by taking \_\_\_\_\_, which reduces the stickiness of \_\_\_\_\_.

2. Surgical procedures associated with blocked coronary arteries:

a. Balloon angioplasty:

b. Coronary Artery Bypass Graft (CABG):