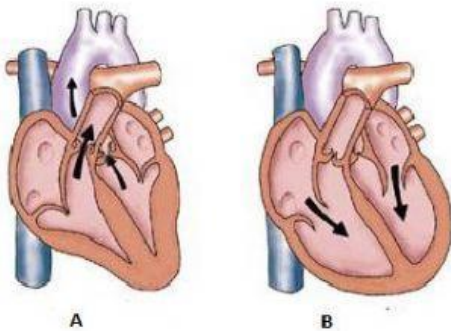


5.3 CARDIAC CYCLE AND BLOOD CIRCULATION

ACTIVITY 1. THE CARDIAC CYCLE

Look carefully the following images and complete the sentences below:



1. Image A represents _____
2. Image B represents _____
3. In A mitral and tricuspid valves are _____ and semilunar valves are _____
4. In A blood flows from the _____ to the _____
5. In B mitral and tricuspid valves are _____ and semilunar valves are _____
6. In B blood flows from the _____ to the _____

ACTIVITY 2. CHARACTERISTICS OF HUMAN CIRCULATION

Complete the sentences:

Oxygenated blood does not mix with deoxygenated blood. Our circulation is: _____

Blood passes through the heart twice. Our circulation is: _____

Our blood never leaves the blood vessels and recirculates over and over again. Our circulation is: _____

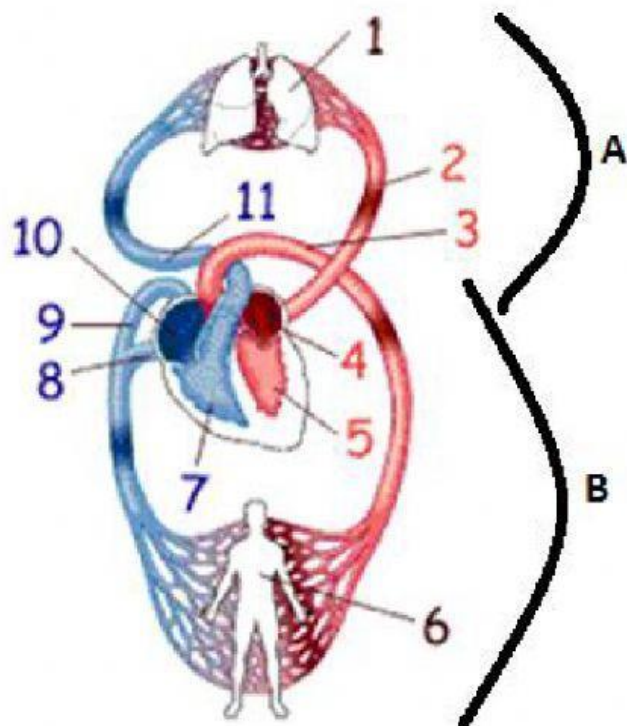
ACTIVITY 3. BLOOD FLOW IN THE HEART

Complete the following sentences about the blood loops and the amount of O₂ or CO₂ in each case.

1. Blood rich inenters the left atrium because it comes from
2. Blood flows from the left atrium to the left ventricle.
3. Blood rich inleaves the left ventricle through aorta artery to
4. Blood rich infrom cells enters the right atrium.
5. Blood flows from the right atrium to the right ventricle.
6. Blood rich inleaves the right ventricle through the pulmonary artery to the ...

ACTIVITY 4 SYSTEMIC AND PULMONARY CIRCULATION

Label the following drawing:



NUMBER NAME

1

2

3

4

5

6

7

8

9

10

11

A

B

