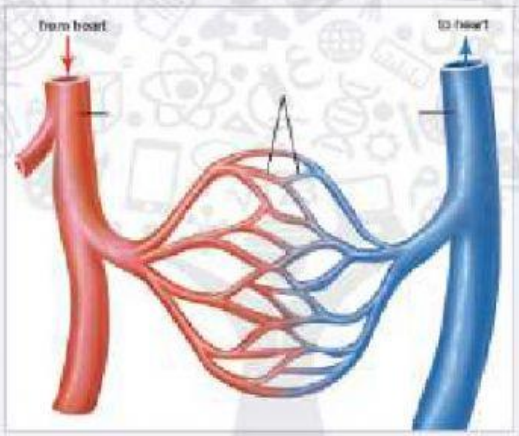
Grade 11 **Unit 3** **Lesson 3.4** **HS** **Worksheet**

Use your knowledge from Unit 2 First Aid to help you with this activity. Answer the following questions.

1. Label the artery, vein and capillaries in the image below.



Artery

Vein

Capillaries

2. Which blood vessel contains valves?

.....

3. Which blood vessel is oxygen-rich? How can you tell by looking at it?

.....

.....

4. Which blood vessel is oxygen-poor? How can you tell by looking at it?

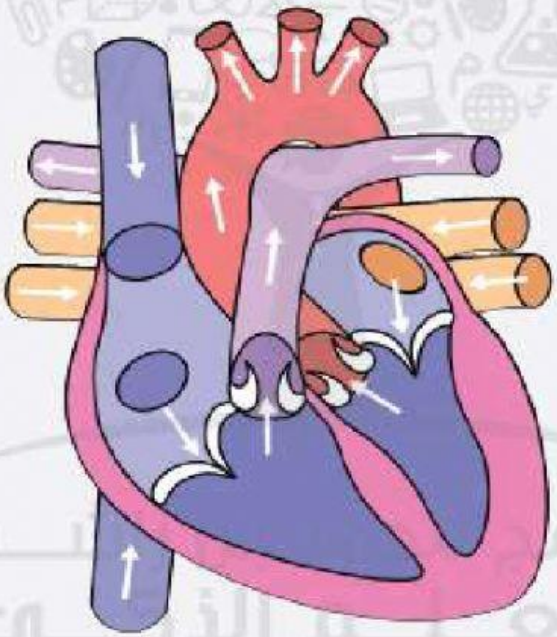
.....

Mohammed Bin Rashid Smart Learning Program

LIVEWORKSHEETS

In the diagram of the heart below, label the following parts.

Aorta	Pulmonary vein	Superior vena cava	Pulmonary artery
Left atrium	Left ventricle	Right atrium	Right ventricle



On the image of the heart, indicate where the valves are found.
What are valves needed for?

.....

.....

LIVEWORKSHEETS

Fill in the blanks in the following passage about ciruclation.

capillaries	pulmonary artery	aorta
oxygen-poor	left	pulmonary vein

The ..... side of the heart receives oxygen-rich blood from the lungs. The ..... pumps this blood all around the body to organs and tissues. The ..... transfer blood from arteries to organs. Once the oxygen and nutrients are removed from blood, it becomes..... and returns to the heart through the veins. When this blood reaches the heart, it gets pumped back to the lungs through the ..... to pick up more oxygen. The blood becomes oxygen-rich once again and returns to the heart through the .....to repeat this process once again.

Answer true or false to the following statements.

	True	False
There are four valves in the heart.		
The heart pumps blood by contracting and relaxing the cardiac muscles.		
The sinus node creates an electrical impulse in the heart.		
There are six chambers in the heart.		
The valves of the heart are always open.		
The chambers of the heart are called the ventricles and the atria.		

LIVEWORKSHEETS