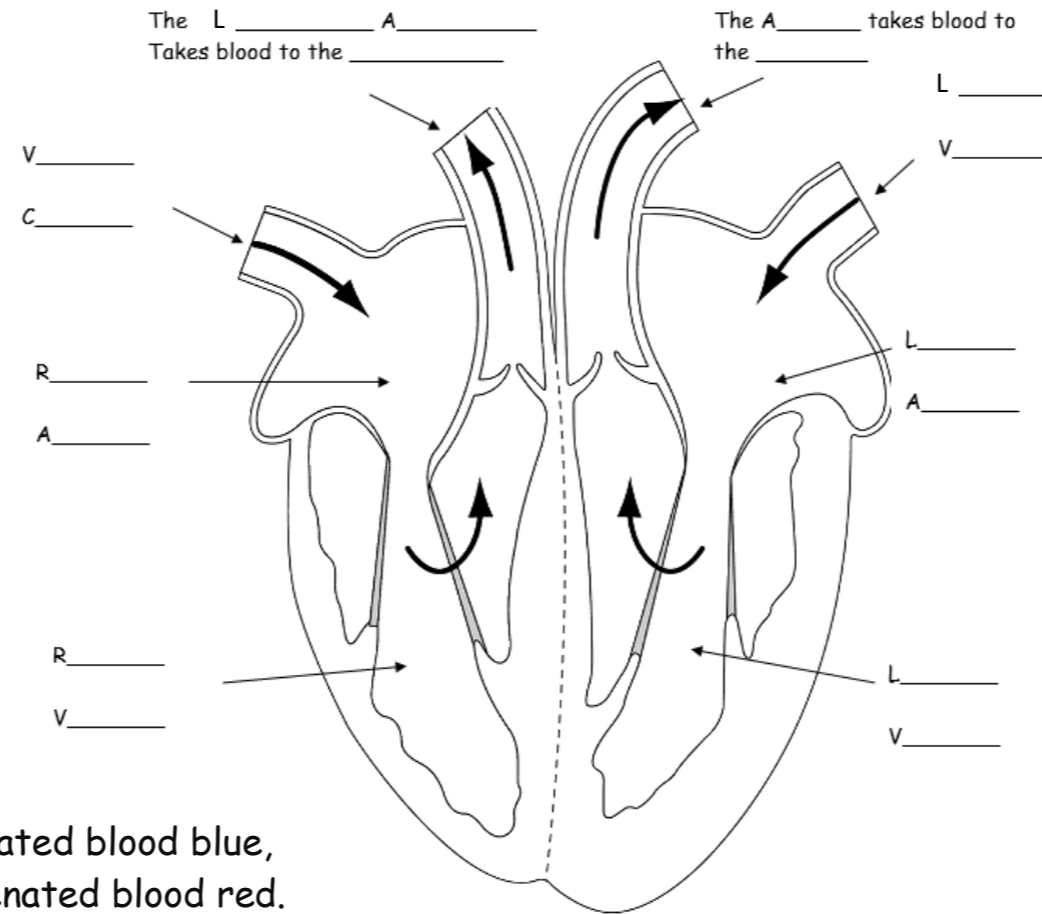


The heart
ALL ON A PAGE

Structures	Role
Vena Cava	
Right Atrium	
Right Ventricle	
Lung Artery	
Aorta	
Lung Vein	
Left Atrium	
Left Ventricle	
Valves	



The heart is made of a unique muscle type known as _____ and it never tires.

The heart is called a double pump and part of two circuits:

- L _____ circulation carries blood to the _____ to be oxygenated and then back to the heart. In the lungs, _____ is removed from the blood, and _____ taken up by the haemoglobin in the red blood cells.
- B _____ circulation carries blood around the body to deliver the oxygen and returns de-oxygenated blood to the heart. Blood also carries _____ and waste.

The left side of the heart has thicker muscle than the right side. Why?

Colour the side of the heart that carries deoxygenated blood blue, and colour the side of the heart that carries oxygenated blood red.

How blood moves through the Heart.

- 1) Deoxygenated blood enters the heart through the _____.
- 2) _____ blood flows into the right atrium.
- 3) Deoxygenated blood is pumped into the right _____.
- 4) Deoxygenated blood is pumped out of the heart, along the _____ to the lungs.
- 5) Oxygenated blood arrives back at the heart.
- 6) It enters the heart through the _____ vein.
- 7) _____ blood flows into the left atrium.
- 8) Oxygenated blood is pumped into the left ventricle.
- 9) Blood is pumped out of the heart, along the _____ to the rest of the body.

What are the long and short term effects of exercise on the heart?

Short Term	Long Term