

6.2 The Blood System

Blood

State the four main components of blood

1.
2.
3.
4.

List the things that are transported by the blood plasma

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NACHO! UH?

Blood Vessels

Discuss William Harvey's findings on the circulation of blood

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Describe the circulation of blood according to both pulmonary and systemic circulation

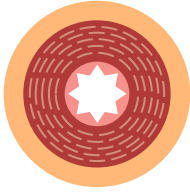

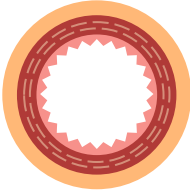
Pulmonary:

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Systemic:

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Compare arteries, capillaries and veins

	Arteries	Capillaries	Veins
Structure			
Blood Speed			
Blood Pressure			
Size of Lumen			
Valves			
Wall Composition			
Function			

Explain how the structure of the blood vessels relates to their respective functions

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Outline the role and location of valves in the circulation of blood

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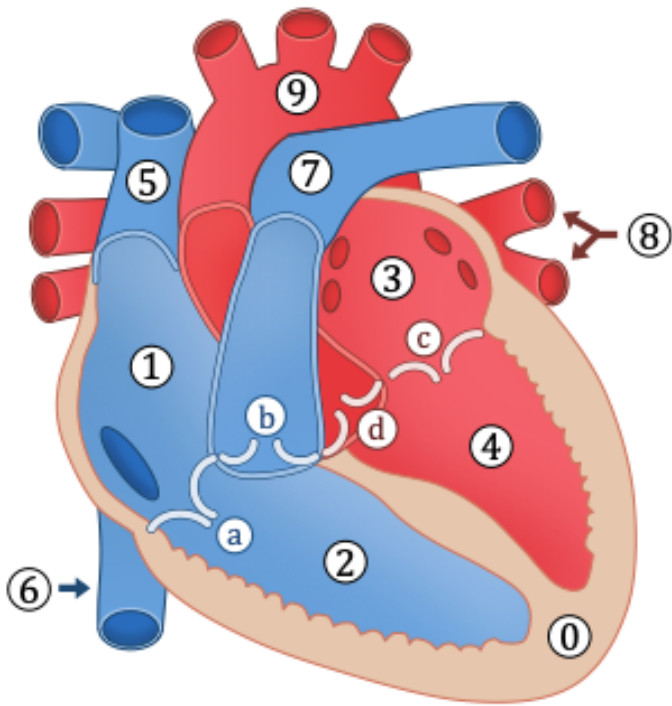
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State which blood vessels supply the heart tissue with oxygen and nutrients

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Heart

Label the following diagram of the human heart



- 0.
- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- a.
- b.
- c.
- d.

Describe the electrical events that trigger the contraction of the heart muscle fibres

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Describe the role of the medulla and epinephrine (adrenaline) in regulating heart rate

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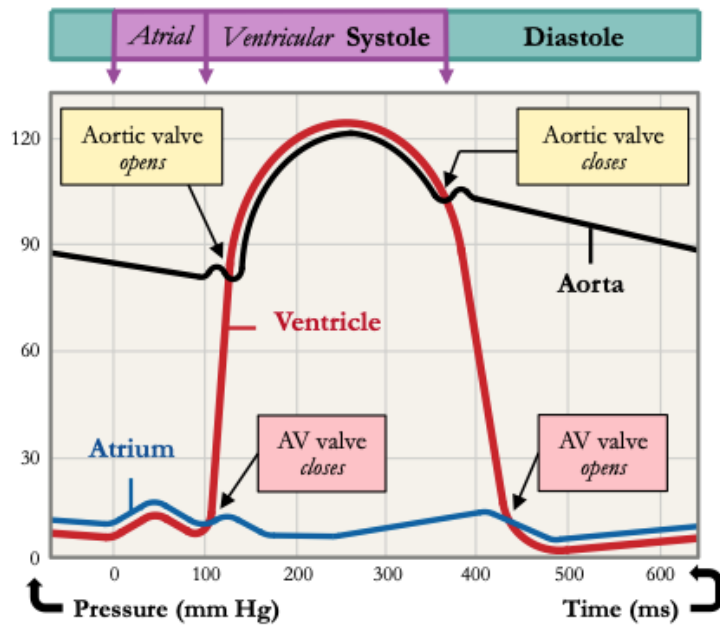
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Differentiate between systole and diastole

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With the aid of the following diagram, outline the pressure changes in the heart during the cardiac cycle



	Atrial Systole	Ventricular Systole	Diastole
	Contraction (C) / relaxation (R)		
Atrium			
Ventricles			
	Open (O) / closed (C)		
AV valve			
Aortic valve			

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Describe the causes and consequences of occlusions to the coronary arteries

Causes:

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Consequences:

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