

Ch30.3 The heart and circulation

- #Biology_3 #Note #School
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- What is the heart?: #card
 - The heart is a muscular pump that pumps blood through 2 pathways.
 - What type of muscle is the heart? What is special about that muscle?: #card
 - The heart is a cardiac muscle
 - Cardiac muscles always work involuntarily
 - How many chambers does the heart have?: #card
 - The heart consists of 4 chambers them being: (Ventricles are the lower part and atriums are the upper part, each part has a valve to prevent backflow of blood)
 - Left atrium
 - Left ventricle
 - Right atrium
 - Right ventricle
 - What are the heartbeat contraction?: #card
 - The heartbeat consists of 2 contractions:
 - SA node (Sinoatrial), aka pacemaker, stimulates atrial contraction
 - AV node (Atrioventricular), stimulates ventricles to contract
 - What is the path of blood circulation in the heart?: #card
 - The heart has a specific path through the body:
 - Oxygen poor blood enters the right atrium, then right ventricle
 - Right ventricle pumps out oxygen poor blood to lungs
 - Oxygen rich blood from the lungs goes to the left atrium, then to the left ventricle
 - Left ventricle pumps out oxygen rich blood to the body parts
 - What is the path of blood circulation through the body?: #card
 - Lungs
 - Pulmonary veins
 - Left atrium
 - Left ventricle
 - Aortic artery
 - Body parts/tissues
 - Vena Cava
 - Right atrium
 - Right ventricle
 - Pulmonary artery
 - Lungs
 - Which side of the heart is Oxygen-rich , which is oxygen-poor blood? #card

- The left side of the heart is oxygen rich, while the right side of the blood is oxygen poor.