

## Heart Circulation Cartoon

1	2	3	4	5
Blood flows from the upper body into the <b>Superior Vena Cava</b> . And from the lower body into the <b>Inferior Vena Cava</b> .	The <b>Superior and Inferior Vena Cava</b> drain into and pool in the <b>Right Atrium</b> .	The <b>Right Atrium</b> contracts and pushed the blood through the <b>Tricuspid Valve</b> into the <b>Right Ventricle</b> and pools there.	Blood in kept from moving back into the <b>Vena Cavas</b> by the closing of <b>Intravenous Valves</b> .	The <b>Right Ventricle</b> contracts. This pushed the blood into the <b>Pulmonary Trunk</b> .

At the same time...

11	12	13	14	15
Blood flows from the right and left lungs into the <b>Right and left Pulmonary Veins</b> , respectively. The <b>Pulmonary Veins</b> are the only veins with oxygenated blood in the body.	The blood from <b>Pulmonary Veins</b> drains into and pools in the <b>Left Atrium</b> .	The <b>Left Atrium</b> contracts and pushed the blood through the <b>Mitral Valve</b> into the <b>Left Ventricle</b> and pools there.	Blood in kept from moving back into the <b>Pulmonary Veins</b> by the closing of <b>Intravenous Valves</b> .	The <b>Left Ventricle</b> contracts. This pushed the blood into the <b>Ascending Aorta</b> .

6	7	8	9	10
Blood is kept from moving back into the <b>Right Atrium</b> by the closing of the <b>Tricuspid Valve</b> . This closing makes the “lub” sound in the heart beat.	This blood will then move through the <b>Pulmonary Circuit</b> . The left and right pulmonary arteries (only arteries in the body with deoxygenated blood) contract to move the blood to the lungs.	Blood is kept from going back into the <b>Right Ventricle</b> by the closing of the <b>Pulmonary Semilunar Valve</b> closes to keep the blood from re-entering the heart. The closing of the <b>Pulmonary Semilunar Valve</b> creates the “dub” sound in the heart beat.	Deoxygenated blood moves to the right and left lung to become oxygenated.	Exchange of Carbon Dioxide for Oxygen in the blood happens in the capillary beds of the lungs.

At the same time...

16	17	18	19	20
Blood is kept from moving back into the <b>Left Atrium</b> by the closing of the <b>Mitral Valve</b> . This closing makes the “lub” sound in the heart beat.	This blood will then move through the <b>Systemic Circuit</b> . The <b>Aorta</b> first feeds the <b>Coronary Artery</b> to give blood back to the heart. Contractions of the <b>Aorta</b> move blood to the rest of the body.	Blood is kept from going back into the <b>Left Ventricle</b> by the closing of the <b>Aortic Semilunar Valve</b> closes to keep the blood from re-entering the heart. The closing of the <b>Aortic Semilunar Valve</b> creates the “dub” sound in the heart beat.	Oxygenated blood moves to the entire body.	Exchange of Oxygen for Carbon Dioxide in the blood happens in the capillary beds of every organ, muscle, and tissue in the body.