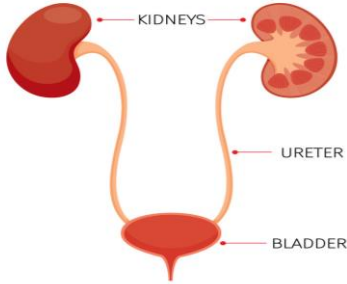
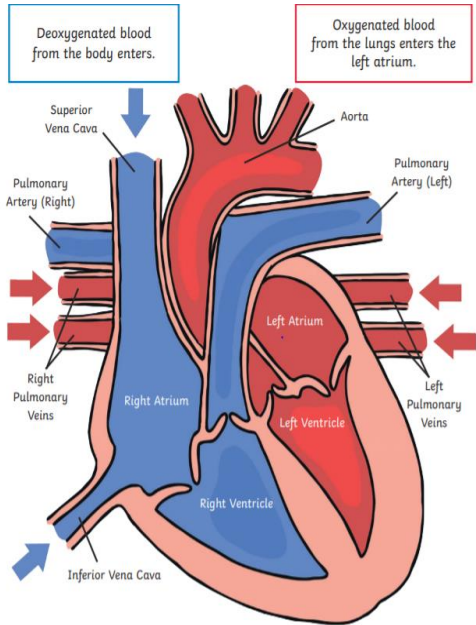


# Year 6: Science Circulation Knowledge Mat

Subject Specific Vocabulary		Kidneys	Important knowledge
<b>ventricle</b>	One of two large chambers towards the bottom of the heart.	 <p>A diagram of the urinary system. Two red, bean-shaped kidneys are shown at the top, connected by two yellow ureters to a red, sac-like bladder at the bottom. Labels include 'KIDNEYS', 'URETER', and 'BLADDER'.</p>	<input type="checkbox"/> I know the main parts of the human circulatory system: heart, ventricle, atrium, artery, vein.
<b>atrium</b>	One of two smaller chambers towards the top of the heart.		<input type="checkbox"/> I know how the heart functions and how blood moves through the heart.
<b>vein</b>	Any of the tubes of the circulatory system that carry blood towards the heart. This blood, is in the main, oxygen depleted.		<input type="checkbox"/> I know the role of the heart, blood vessels and blood.
<b>artery</b>	Any of the tubes of the circulatory system that carry blood away from the heart. This blood, is in the main, oxygen rich.		<input type="checkbox"/> I know how diet, exercise, drugs, and lifestyle impact on the way the human body functions.
		The Heart	
<b>calories</b>	A unit of energy. In nutrition, calories refer to the energy people get from the food and drink they consume.	 <p>A detailed diagram of the human heart showing the flow of blood. Deoxygenated blood (blue) enters from the top left through the Superior Vena Cava and from the bottom left through the Inferior Vena Cava into the Right Atrium. It then moves to the Right Ventricle and is pumped out through the Pulmonary Artery (Right) to the lungs. Oxygenated blood (red) enters from the top right through the Pulmonary Artery (Left) into the Left Atrium. It then moves to the Left Ventricle and is pumped out through the Aorta. Labels include: Superior Vena Cava, Inferior Vena Cava, Right Atrium, Right Ventricle, Pulmonary Artery (Right), Pulmonary Artery (Left), Left Atrium, Left Ventricle, and Aorta. Two boxes at the top indicate: 'Deoxygenated blood from the body enters.' (pointing to the vena cavae) and 'Oxygenated blood from the lungs enters the left atrium.' (pointing to the pulmonary artery on the left).</p>	<input type="checkbox"/> I know the ways in which nutrients and water are transported within animals, including humans.
<b>anomaly</b>	A result that is not normal or is unexpected.		<ul style="list-style-type: none"> <li>• I know how to raise a scientific question that can be tested.</li> <li>• I know how to present my data and my results.</li> <li>• I know how the evidence I have collected supports or refutes my idea.</li> <li>• I can make a prediction and explain my reasons using scientific knowledge.</li> <li>• I know how to use more than one piece of evidence when forming a conclusion.</li> </ul>
<b>analyse</b>	To examine something methodically and in detail, in order to explain and it.		
<b>interval</b>	A period between 2 events or times.		
<b>hypothesise</b>	An idea for something that has not yet been proved:		
<b>refute</b>	To say that a person, statement or idea is wrong.		