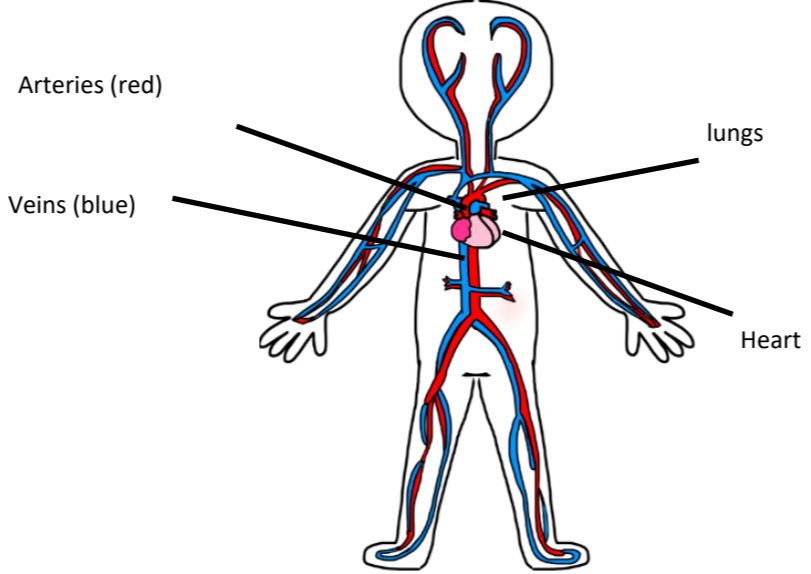


# Biology – Animals including Humans

Subject Specific Vocabulary		Associated Diagram	Sticky Knowledge
Nutrients	Important elements that allow your body to perform daily activities	 <p>Arteries (red)</p> <p>Veins (blue)</p> <p>lungs</p> <p>Heart</p> <p>On the diagram, label the heart, veins, arteries and where the lungs are. Write the colours to make it clear.</p>	<p>Explain the function of the heart.</p> <p>Pumps blood around the body. Takes in poorly oxygenated blood and sends it to the lungs and pumps oxygenated blood around the rest of the body.</p>
Drugs	Substances that have an affect on the human body. E.G. illegal drugs, alcohol, nicotine, caffeine		<p>Explain the function of the blood vessels.</p> <p>Carry blood around the body.</p>
Circulatory System	Sends blood around the body		<p>Explain the function of the blood.</p> <p>Provides fuel for muscles and other organs.</p>
Heart	Organ that pumps blood around the body		<p>Describe how nutrients and water are transported within animals, including humans.</p> <p>Once your food has been broken down using the digestive system, it moves into your small intestines. Nutrients then become a part of the circulatory system: they are transported throughout your body through your blood via <b>capillaries</b>, tiny blood vessels that connect arteries to veins.</p>
Blood Vessels	Any tube that carries blood around the body		<p>Briefly describe the impact of an unhealthy diet, lack of exercise, drugs and an unhealthy lifestyle on the way human bodies function.</p> <p>Increase stress, poor muscle tone and posture, more falls in older people, heart disease, cancer, type 2 diabetes, depression</p>
Lifestyle	The way in which someone lives – eating, exercise, sleep		<p>Explain the difference between the functions of veins and of arteries.</p> <p>Arteries carry oxygenated blood away from the heart to the body and veins carry oxygen-poor blood back from the body to the heart .</p>
Oxygenated	Contains oxygen		<p>Choose an animal. Give one way the circulatory system is similar to a human and a way in which it is different to a human.</p>
Veins	Tubes (blood vessels) that carry de-oxygenated blood towards the heart		
Arteries	Tubes (blood vessels) that carry oxygenated blood away from the heart		