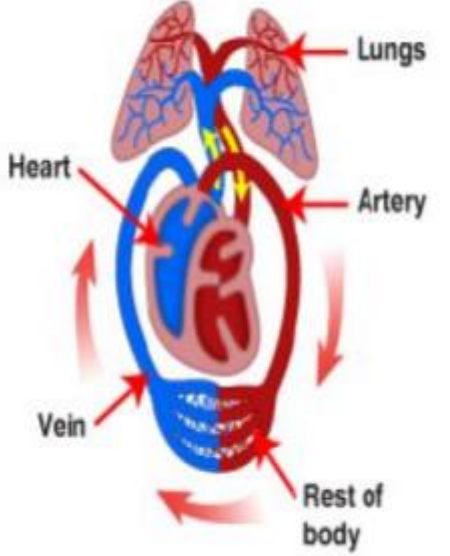



## Year 6 Animals Including Humans

<p><b>The Heart</b></p> <p>The heart pumps blood containing oxygen around the body. The oxygen reaches every cell.</p>	<p><b>Blood has many jobs!</b></p> <ul style="list-style-type: none"><li>• It carries oxygen around the body</li><li>• It keeps the body at a regulated temperature.</li><li>• It brings waste products to the kidneys and liver, which filter and clean the blood.</li><li>• Transports oxygen and nutrients to the lungs and tissues</li><li>• Forms blood clots to prevent blood loss.</li><li>• Carries cells to fight infection.</li></ul>															
<p><b>Circulatory System</b></p> 	<p><b>The circulatory system</b> allows blood to circulate and transport nutrients, oxygen, hormones and blood cells to and from the cells in the body to provide nourishment and help fight diseases.</p> <p>A healthy is essential in order to stay fit and well. It also helps children to grow. This topic is covered in PSHE.</p> <div><p>Carbohydrates give all cells energy. It also protects your muscles because if the body does not have enough energy it has to use the protein tissues in muscles instead. This weakens muscles in the body.</p><p>Water helps control your temperature via sweating.</p><p>Proteins are needed to create muscles and organs.</p><p>Fibre: Keeps your bowels - which include your large intestine healthy.</p><p>Fats are needed for every cell membrane - the membrane holds the cell together. Brain tissue is rich in fat. Fat is used to create hormones.</p><p>Water half the weight of a human body is water! You can survive without food for longer than you can water. 92% of the volume of blood is water! Without blood your body would not be able to transport nutrients and oxygen.</p><p>Protein is needed to make haemoglobin - the part of the red blood cells that carry oxygen.</p></div>	<p><b>Learn these key words.</b></p> <table><tr><td><b>Nutrients</b></td><td>A substance that provides nourishment essential for the maintenance of life and for growth.</td></tr><tr><td><b>Organs</b></td><td>Part of an organism that has a vital function</td></tr><tr><td><b>Muscles</b></td><td>A band of fibrous tissue that can contract and produce movement in the body.</td></tr><tr><td><b>Veins</b></td><td>Tubes forming part of the bloody circulation system of the body, carrying blood without oxygen to the heart.</td></tr><tr><td><b>Blood vessel</b></td><td>A tubular structure carrying blood through the tissues and organs</td></tr><tr><td><b>Blood</b></td><td>Red liquid that circulates in arteries and veins, carrying oxygen to and carbon dioxide from tissues in the body.</td></tr><tr><td><b>Arteries</b></td><td>Muscular-walled tubes that transport bloody from the heart to other parts of the body</td></tr></table>	<b>Nutrients</b>	A substance that provides nourishment essential for the maintenance of life and for growth.	<b>Organs</b>	Part of an organism that has a vital function	<b>Muscles</b>	A band of fibrous tissue that can contract and produce movement in the body.	<b>Veins</b>	Tubes forming part of the bloody circulation system of the body, carrying blood without oxygen to the heart.	<b>Blood vessel</b>	A tubular structure carrying blood through the tissues and organs	<b>Blood</b>	Red liquid that circulates in arteries and veins, carrying oxygen to and carbon dioxide from tissues in the body.	<b>Arteries</b>	Muscular-walled tubes that transport bloody from the heart to other parts of the body
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