

The circulatory system and function of blood		
1.	What are the four components of blood and what is their function (job)?	<p>1. Plasma is the main component of blood and consists mostly of water, its job is to transport proteins, ions, nutrients, and waste around the body.</p> <p>2. Red blood cells are responsible for carrying oxygen and carbon dioxide.</p> <p>3. Platelets are responsible for blood clotting</p> <p>4. White blood cells are part of the immune system and fight diseases and infections.</p>
2.	Where are blood cells made?	Red blood cells are formed in the red bone marrow of bones
3.	Why does the body need oxygen?	Oxygen is needed to release the energy from the food we need in the cells of the body
4.	What are the vessels which carry blood around the body?	Blood vessels
5.	What are the two different types of vessels which carry blood around the body?	Arteries and veins
6.	How are they different?	<p>Arteries carry blood away from the heart – to the lungs and the rest of the body. They have thick elastic walls and are usually deep under the skin. You can feel a pulse in an artery.</p> <p>Veins carry blood to the heart. They have thinner less elastic walls and are normally closer to the skin. You cannot feel a pulse in a vein.</p>
7.	What happens to blood when it gets to the lungs?	When blood reaches the lungs – oxygen is picked up by the red blood cells there and carbon dioxide is deposited.