



Animals, including Humans(Y5&6)

Knowledge

Identify and name the main parts of the human circulatory system.

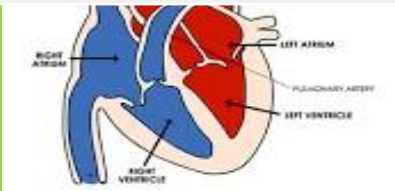
The heart pumps blood in the blood vessels around to the lungs. Oxygen goes into the blood and carbon dioxide is removed. The blood goes back to the heart and is then pumped around the body.

Nutrients, water and oxygen are transported in the blood to the muscles and other parts of the body where they are needed. As they are used they produce carbon dioxide and other waste products.

Carbon dioxide is carried by the blood back to the heart and then the cycle starts again as it is transported back to the lungs to be removed from the body.

Diet, exercise, drugs and lifestyle have an impact on the way our bodies function. They can affect how well our heart and lungs work, how likely we are to suffer from conditions such as diabetes, how clearly we think, and generally how fit and well we feel.

Some conditions are caused by deficiencies in our diet e.g. lack of vitamins



Subject Vocabulary

Circulatory system	the system that circulates blood through the body
heart	a hollow muscular organ that pumps the blood through the circulatory system
blood	transports materials around the body and protects against disease
Blood vessels	any of the vessels through which blood circulates in the body
Veins	a type of blood vessel in the body, which carries blood to the heart
Arteries	a blood vessel that carries blood away from the heart to other parts of the body.
Oxygenated	when oxygen is contained in something
De-oxygenated	When oxygen has been removed
Valve	a device that regulates, directs or controls the flow of a fluid
respiration	process that all living things go through to create the energy they need to live