



Year 6 Science : The Circulatory System

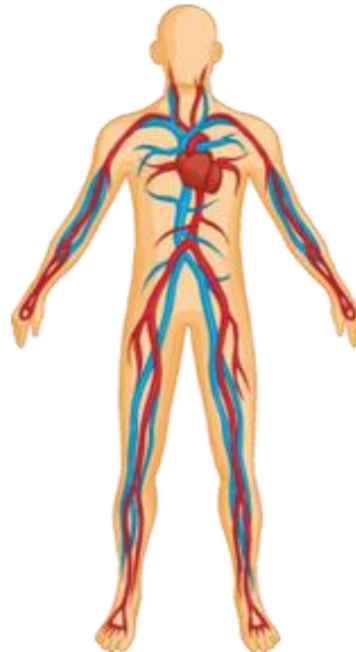
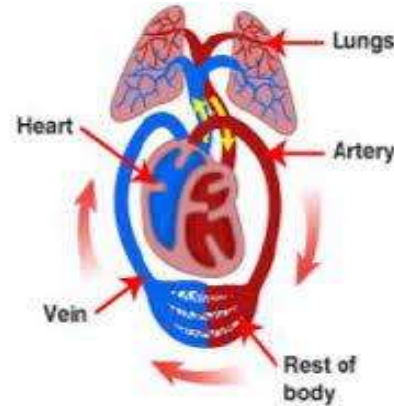
What I should already know

- The importance for humans of exercise, eating the right amounts of different types of food, and hygiene
- Animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food; they get nutrition from what they eat.
- The simple functions of the basic parts of the digestive system in humans.
- The different types of teeth in humans and their simple functions.

What I will know by the end of the unit

Understand the importance of a healthy circulatory system

- To know the main parts of the circulatory system and their function (heart, blood vessels and blood)
- To know that water and nutrients are transported in the blood
- To understand the effect of lifestyle choices (diet, exercise, drugs) on your circulatory system



Key Vocabulary

Heart	the organ in your chest that pumps the blood around your body
Pulse	the regular beating of blood through your body. How fast or slow your pulse is depends on the activity you are doing
Blood vessels	the narrow tubes through which your blood flows. Arteries, veins and capillaries are blood vessels
Veins	a tube in your body that carries deoxygenated blood to your heart from the rest of your body
Arteries	tubes in your body that carries oxygenated blood from your heart to the rest of your body
Lungs	two organs inside your chest which fill with air when you breathe in. They oxygenate the blood and remove carbon dioxide from it
Nutrients	substances that help plants and animals to grow
Oxygen	a colourless gas that plants and animals need to survive
Carbon dioxide	a gas produced by animals and people breathing out
Circulatory system	the system responsible for circulating blood through the body, that supplies nutrients and oxygen to the body and removes waste products such as carbon dioxide
Diet	the kinds of food that a person, animal, or community habitually eats
Exercise	activity requiring physical effort, carried out to sustain or improve health and fitness
Lifestyle	the way in which a person lives; the usual way of life of a person, group, or society