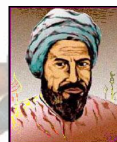


Why do our bodies need blood?

Animals Including
Humans Y6

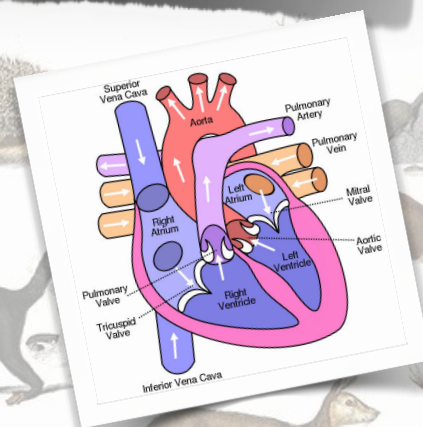
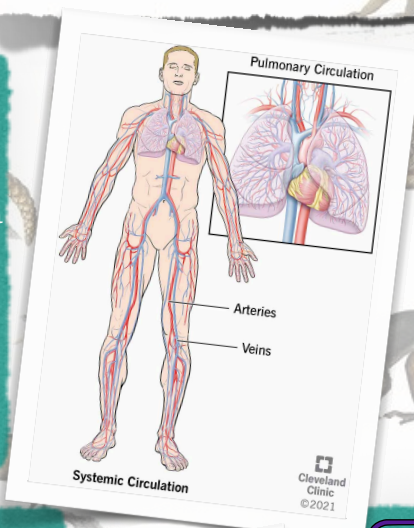


An Arab physician, scientist and philosopher, Ibn al-Nafis, was the first to describe the pulmonary circulation. He disproven theories of Galen.



Key learning

- Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function
- Identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood
- Describe the ways in which nutrients and water are transported within animals, including humans

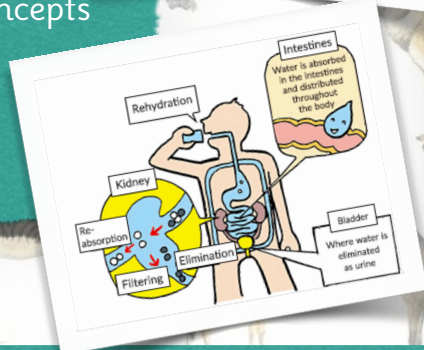


Key vocabulary

arteries	blood vessels that carry oxygenated blood away from the heart around the body
capillaires	smaller branch like vessels that connect veins and arteries to the body's organs and allow chemical exchange
circulatory system	the system of vessels that carry blood to and from the rest of the body
depressant	a substance that reduces activity within the body's nervous system
drug	any substance that affects the way the body functions
plasma	the fluid part of blood that carries other substances
pulmonary	the system of vessels that carry blood to and from the lungs.
red blood cell	disc shaped cell that carries oxygen
stimulant	a substance that causes activity within the body's nervous system
veins	blood vessels that carry deoxygenated blood from around the body back towards the heart
vessel	tube which circulates the blood through the body
white blood cell	cells in the blood involved with the immune system

Working scientifically concepts

- Asking questions
- Recording data
- Making predictions



Scientific enquiry types



Pattern seeking



Research



Identifying and classifying

Animals Including Humans - Our Learning Journey

Year 1/2

- Human body parts
- Basic needs of humans and animals
- Sorting animals into different types

Year 3/4

- Human skeletons, muscles and teeth
- Human digestion and nutrition
- Food chains

Year 5/6

- Human development into old age
- Human circulatory system
- Transport of water and nutrients



Ethics

Should there be more consequences for people who deliberately make choices that are detrimental to their health?

