

Human Body - Science

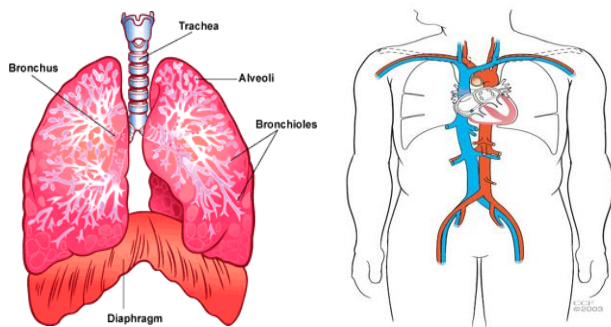
Year 6
Spring 2

Overview

In this topic, we study the body's major organs and how they function. We learn all about our respiratory system and how this allows us to breathe, then move on to our circulatory system and how our heart pumps essential blood and oxygen around the body. After identifying and explaining the function of each organ, we hold in-depth debates about which organs are most important, highlighting how inter-linked our organs are to one another. Finally, we learn about famous scientists that made an impact on medicine and health care from history.

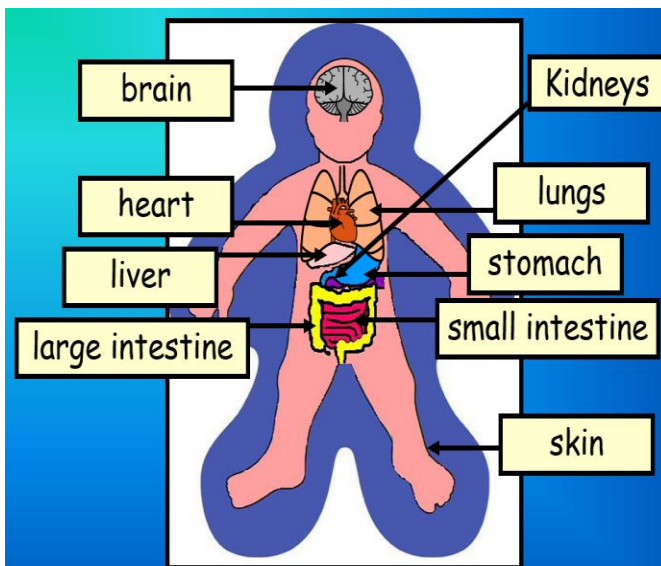
Key knowledge - Science

- Identify and label the body's major organs on a diagram.
- Explain the function of each of the body's major organs and make links between the functions of each organ. Determine the importance of each organ on our survival.
- Understand how the body's circulatory system and respiratory system works.
- Be able to reason ideas and explain ideas by applying scientific knowledge of different organs to explaining which organs are the most important.
- Understand who Louis Pasteur and Edward Jenner are and what their contributions to medicine and healthcare was.



Key Vocabulary

Word	Definition
Veins	These carry deoxygenated blood back to the heart / lungs.
Arteries	These carry oxygenated blood quickly away from the heart / lungs.
Circulatory system	How your heart pumps blood and oxygen around the body.
Digestive system	How we break down and digest food, taking the nutrients but getting rid of un-needed waste.
Respiratory system	How our lungs inflate / deflate to help us breathe in oxygen and breathe carbon dioxide out.
Pulse	Your heartbeat, created by your heart repeatedly pumping blood around your body.
Pasteurisation	Heating milk or dairy products to kill bacteria and make it safe for us.
Organ	A major body part like our heart, brain, lungs etc.



Louis Pasteur



Edward Jenner

