



## NATURAL SCIENCE 4



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#### **Documentaries**

• Build a model diaphragm, chest and lungs.	Respiration and circulation
• Model how alcohol impairs vision and balance.	· Healthy and unhealthy habits
• Map Spain's landforms.	• Types of rocks
• Observe the force of inertia.	• Forces
• Collect fingerprints and compare them.	<ul> <li>Inventions that changed the world</li> </ul>
• Perform an efficent and accurate internet search.	• How did the internet start?

Questions and Study aids

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# WELCOME TO CAMBRIDGE NATURAL SCIENCE

Welcome to the amazing world of natural science.









I'm Tanya and I want to be a doctor!



Hi, I'm Ian. I want to be a football coach!



Hello! I'm Paola. I want to be a geologist.

# Can you match the jobs to the children?

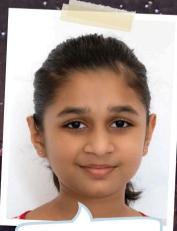








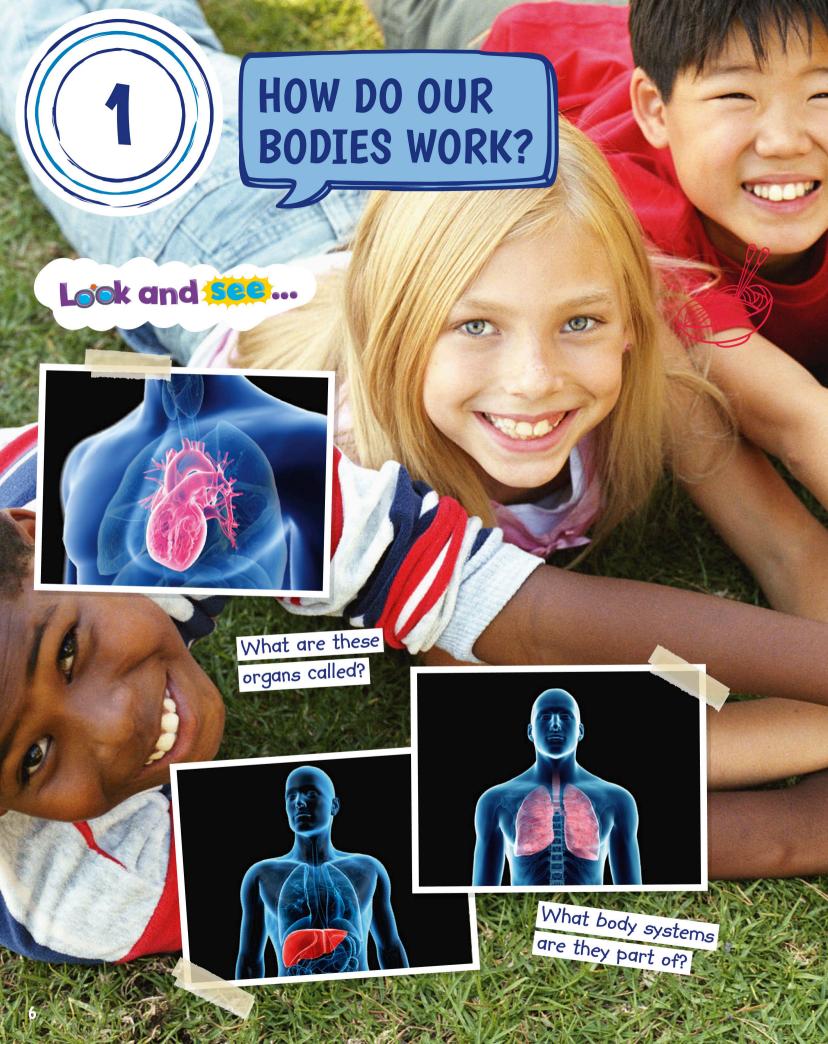
Hey! I'm Wei and I want to be an astronaut.



I'm Priyanka and I want to be an inventor!



Hello! I'm Gustavo and I want to be a computer programmer.





### HOW ARE OUR BODIES ORGANISED?

How many cells are there in our body?
Find out!

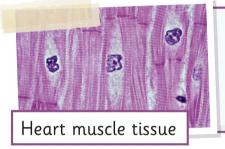


#### Cells and organisms

All living things are made up of cells. The smallest living things only have one cell and are called **unicellular**. Larger organisms have many cells and are called **multicellular**. In human beings, like in all animals, there are many different kinds of cells.



A unicellular paramecium



#### Tissues

When cells of the same type form layers in our body, they are called **tissues**.



#### Organs

An **organ** is a group of tissues that work together to perform a specific job. Our heart is an organ that pumps blood around our body, and it is made up of muscle, connective and nerve tissues.



#### Systems

When several organs work together, we say that they form a body system. The heart, arteries and veins are parts of the circulatory system and they work together to pump blood and deliver oxygen to all the cells in our body.

### What have I rearnt?

### Read and complete.

- 1 ..... organisms only have one cell.
- 2 Groups of the same type of cell form ..... .
- 3 An ..... contains several types of tissues.
- 4 Our circulatory ..... is made up of the heart, arteries and veins.