

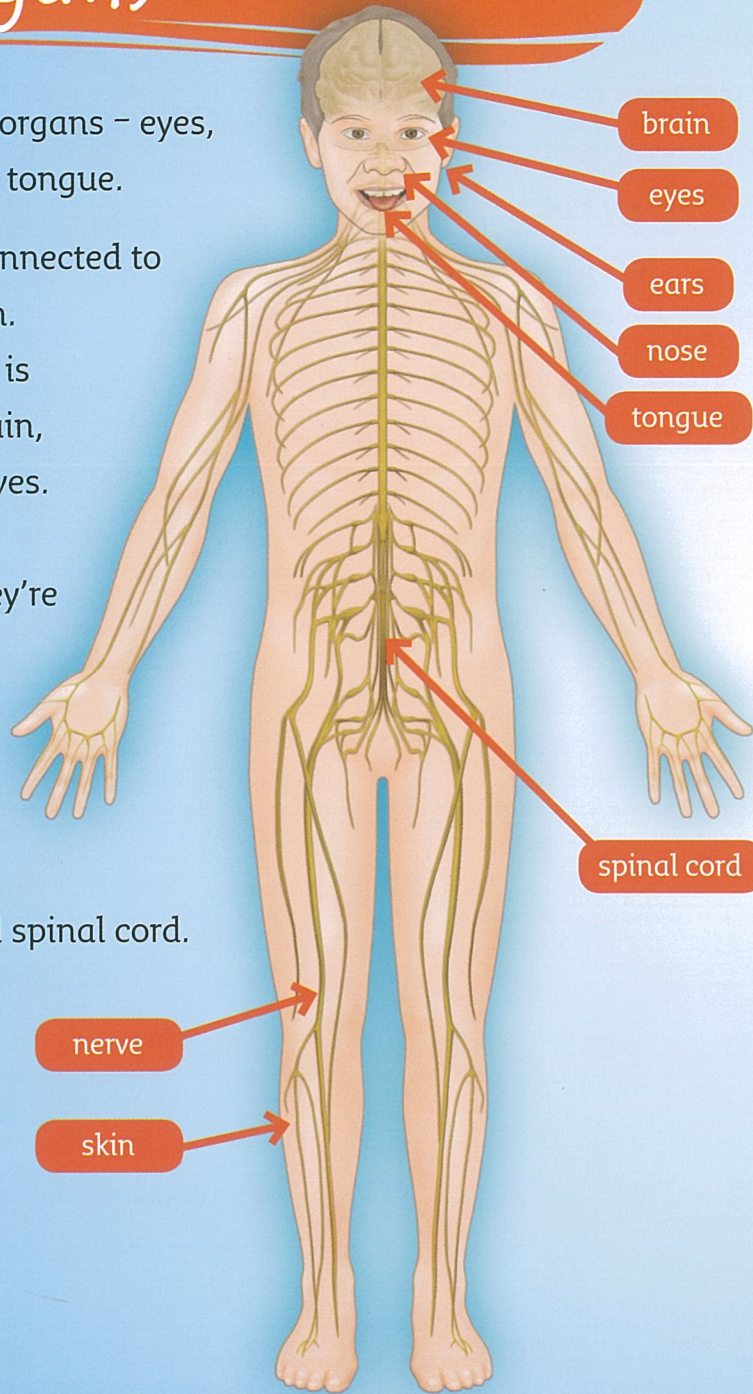
Sense organs

You have five sense organs – eyes, ears, skin, nose and tongue.

Sense organs are connected to your nervous system.

The nervous system is made up of your brain, spinal cord and nerves.

Nerves are long and thread-like. They're found in your arms and legs, head and inside your body, carrying information to and from your brain and spinal cord.



Your sense organs gather information all the time, even when you're not thinking about it, for example smells and sounds. They send this information along nerves to your brain. Your brain is the control centre of your body. It uses information from your sense organs to work out what's happening and to make decisions. These could be important decisions such as jumping out of the way of something, or moving your hand from a hot object.

Some smells can be very strong and your nose sends this information back to your brain.

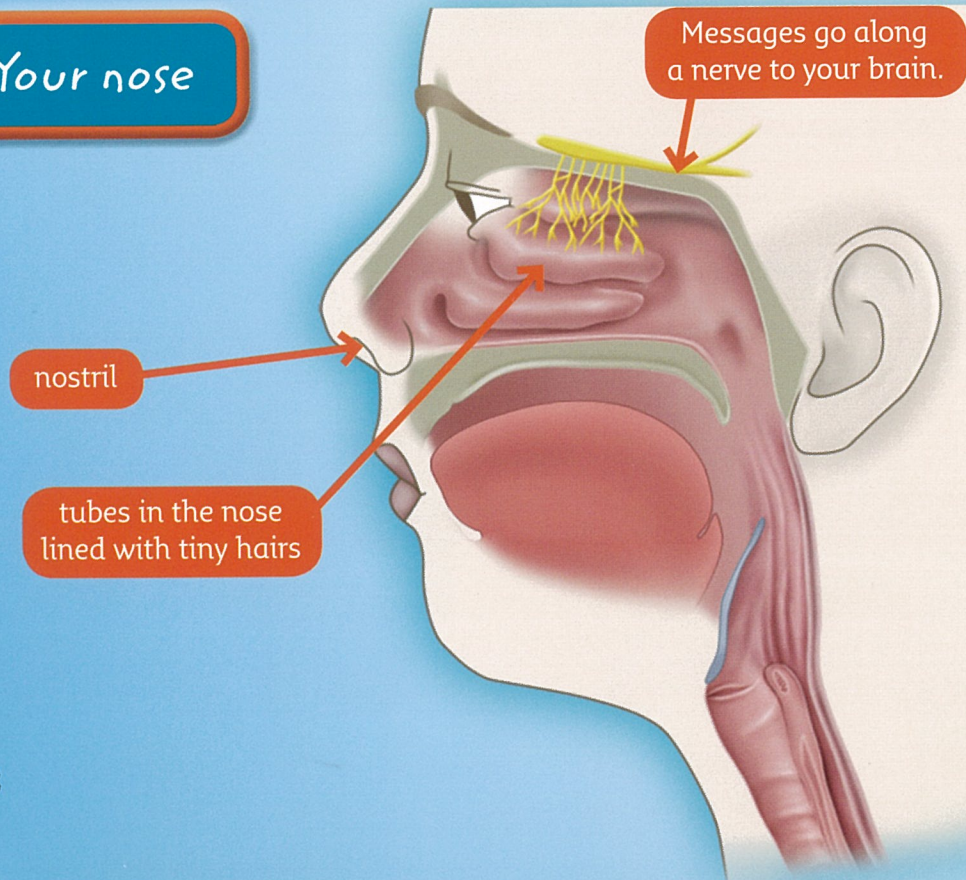


Sniffing smells

Smells are carried in the air and are pulled into your nose when you breathe.

Inside your nose are many small tubes lined with tiny hairs, each connected to a nerve. The hairs are covered in smell **detectors**. When the hairs are tickled by smells, the detectors sense the smell and send a message along a nerve to your brain. Then your brain recognises the smell.

Your nose



Your nose is packed with about 5 million detectors and we can identify as many as 10,000 different smells. But this is not as good as a dog. A dog's nose is filled with 220 million detectors or more and a sense of smell thousands of times better than our own.

