

The Five Senses

1 Read and complete the texts about the five senses.

feel skin brain movement

Touch

Touch your arm with your hand. What can you feel? There are millions of hairs on your ¹ skin all over your body. The hairs are connected to receptors. They help the skin to ² pressure, heat or ³ The receptors are connected to nerves and these send the information to your ⁴

breathe receptors nerves smell

Smell

Everything you can ⁵ – cheese, coffee, bread – releases chemicals into the air. When you ⁶, the chemicals in the air come into contact with the ⁷ in your nose. There are about ten million of them! They are connected to ⁸ and these send the information to your brain.

tongue mouth taste chemicals

Taste

Your tongue has four types of receptors. The ⁹ in the food and drink you put into your ¹⁰ hit the receptors. The receptors are connected to nerves and these send the information to your brain. The main types of receptors on your ¹¹ are: sweet, salty, sour and bitter. In 2000, scientists found a new ¹² : umami. This is the taste in balsamic vinegar and parmesan cheese!

pupil eye brain lens

Sight

Light enters your eyes through a hole in the iris called the ¹³ The light travels to the ¹⁴ and then hits the retina, at the back of your ¹⁵ The retina changes light into nerve signals. The nerve signals go to the ¹⁶ and the brain processes the information. It identifies the image.

hairs vibrate sound outer

Hearing

Your ear has got a special shape. Your ¹⁷ ear receives sound then sends it into your inner ear. There are lots of little ¹⁸ in your inner ear. When the sound hits them they ¹⁹ and send the information to the brain. It identifies the ²⁰

2 Read the definitions of the five senses. Then decide which sentence is true (T) and which is false (F).

- a The brain receives signals directly from the hand, eye, ear, nose or tongue and sends them to the nerves. ☐
- b The senses use receptors. The receptors are connected to nerves. These send the information to the brain and the brain processes the information. ☐