Smell, smell everywhere

Smell receptors aren't ONLY in our noses. Scientists have found them all over the body — including in the tongue, gut and even the kidneys!

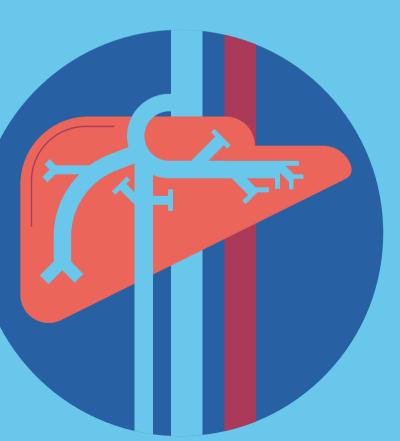
HOW?

WHY?

Our sense of smell detects chemicals that we care about.

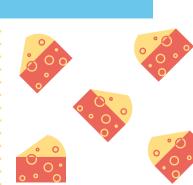
These can be things that we want — like chocolate cake — or things that we definitely do not want to even go near — like rotten food, fire, cabbage soup or the bathroom after your dad's been in it.

But guess what? Chemicals that we care about aren't only OUTSIDE us, but INSIDE us too.



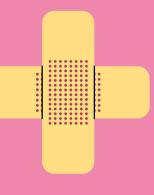
Liver

Some scientific studies have found that smell receptors can sniff out cells that have turned cancerous. They might help to stop liver cancer from spreading.



Skin

Smell receptors help wounds heal faster. (Scientists don't know how yet!)











Tongue Yes, sme

Yes, smell receptors have been found ON taste cells in the tongue. Your tongue 'sniffs' your food as well as tastes it!

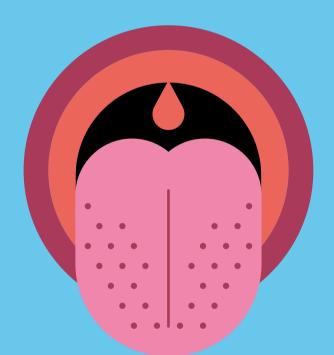


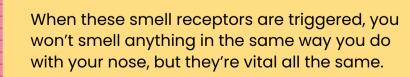
Your kidneys 'sniff' your wee using smell receptors just like ones in your nose.

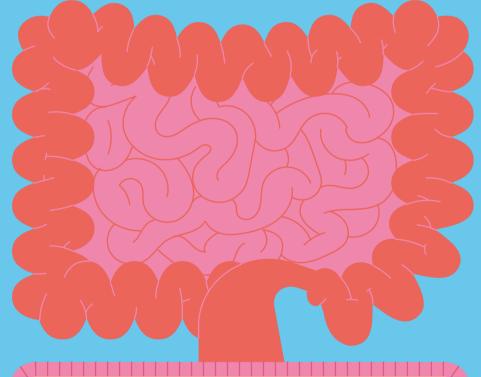
They do this to make sure that you're keeping enough good chemicals inside you — like glucose (sugar for energy). But also that you're peeing out the bad ones, or ones that you've got too much of.

Gut

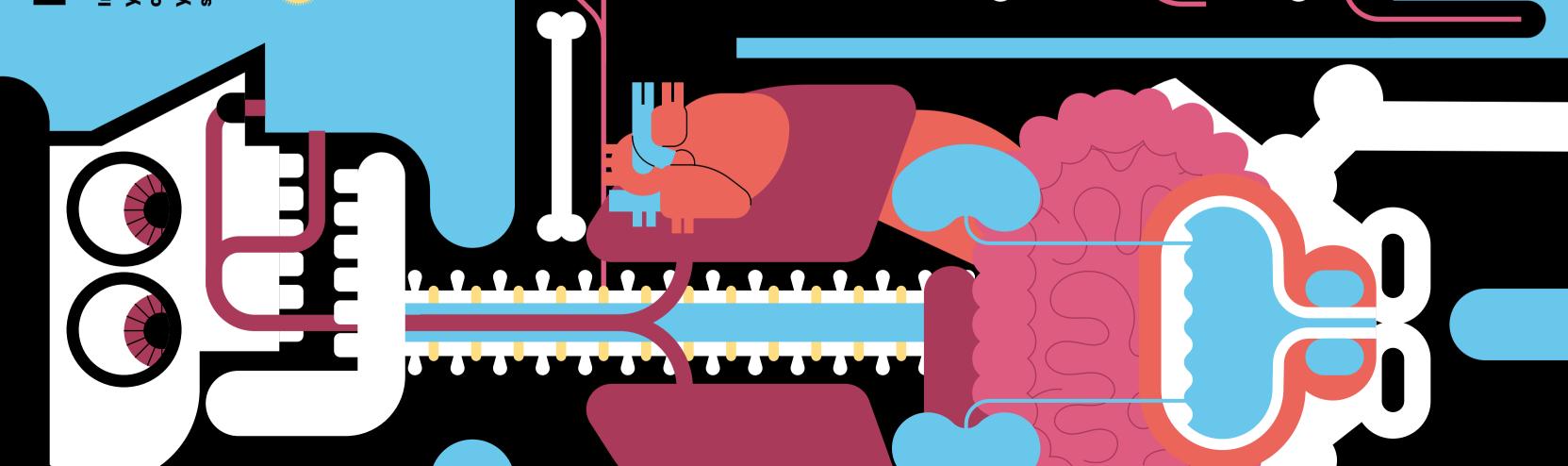
Smell receptors sniff the contents of your food to help with digestion.







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Inner Sensing

your lungs to breathe! Thankfully, your brain takes Imagine if you had to remind your heart to beat, or your INNER SENSES. They tell your brain about vital care of this automatically. But to do this it needs stuff that's happening inside you.

Heartbeat sensing

wrist and ask them to count your pulse for a minute. You try counting heartbeats quite accurately without feeling for a pulse. You could try better than others at tuning in to these signals. They can count their out blood), stretch sensors tell your brain. Some people are this: while sitting quietly, get a friend to press a thumb to your inner Every time your heart squeezes (which it has to, to pump at the same time, and see how close you are. 29 Page Number



Blood pressure sensing

vessels tell your brain about blood against their inner walls. This is Stretch sensors in blood or pressure your 'blood pressure sense'. the push force —



Lung stretch sensing

they're filling with air (and when you lungs tell your brain when really need to stop breathing in, or Stretch sensors in your they'll explode).

Oxygen sensing

dioxide sensing

sensor keep track of carbon dioxide and oxygen in your blood. Too much carbon cells need oxygen to get their levels of the gases Two other types of oxygen is also bad as your dioxide is bad. Too little 27





Spinal fluid sensing

You also have sensors that feed back on your 'cerebrospinal' bathes your brain and (SE-RE-BRO-SPINE-AL) fluid – the liquid that spinal cord.

