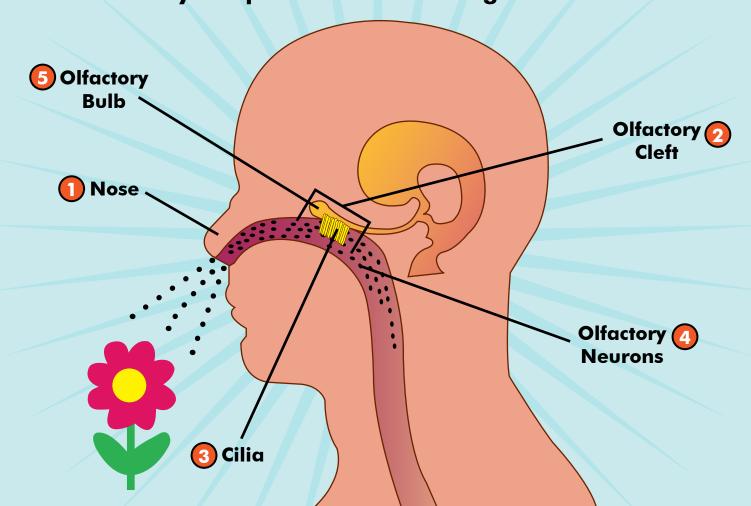
SENS RY PRETINS

OLFACTORY

The process of smelling, also known as olfaction, involves thousands of olfactory receptors that transmit signals to the brain.



PROCESS OF OLFACTION (3, 5)

- Nose: Odors are inhaled through the nostrils and detected by olfactory receptors in the sensory epithelium, which is located in the olfactory cleft.
- 2 Olfactory Cleft: Narrow passages in the upper part of the nasal cavity.
- 3 Cilia: Binds with odor molecules and olfactory receptor cells, which the cilia are attached to, and creates an impulse.
- 4 Olfactory Neurons: Transmit signals from the peripheral nervous system to the central nervous system via the olfactory bulb.
- 5 Olfactory Bulb: Processes the signal and sends it to the brain.







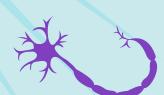
OLFACTORY RECEPTOR PROTEINS



The Olfactory Receptor gene family is the largest in the genome (6)



Olfactory
Receptors are
members of the
GPCR family
(7)



Important in neurotransmission and photoreception (4)

