

# UNIT 1: INTERACTION

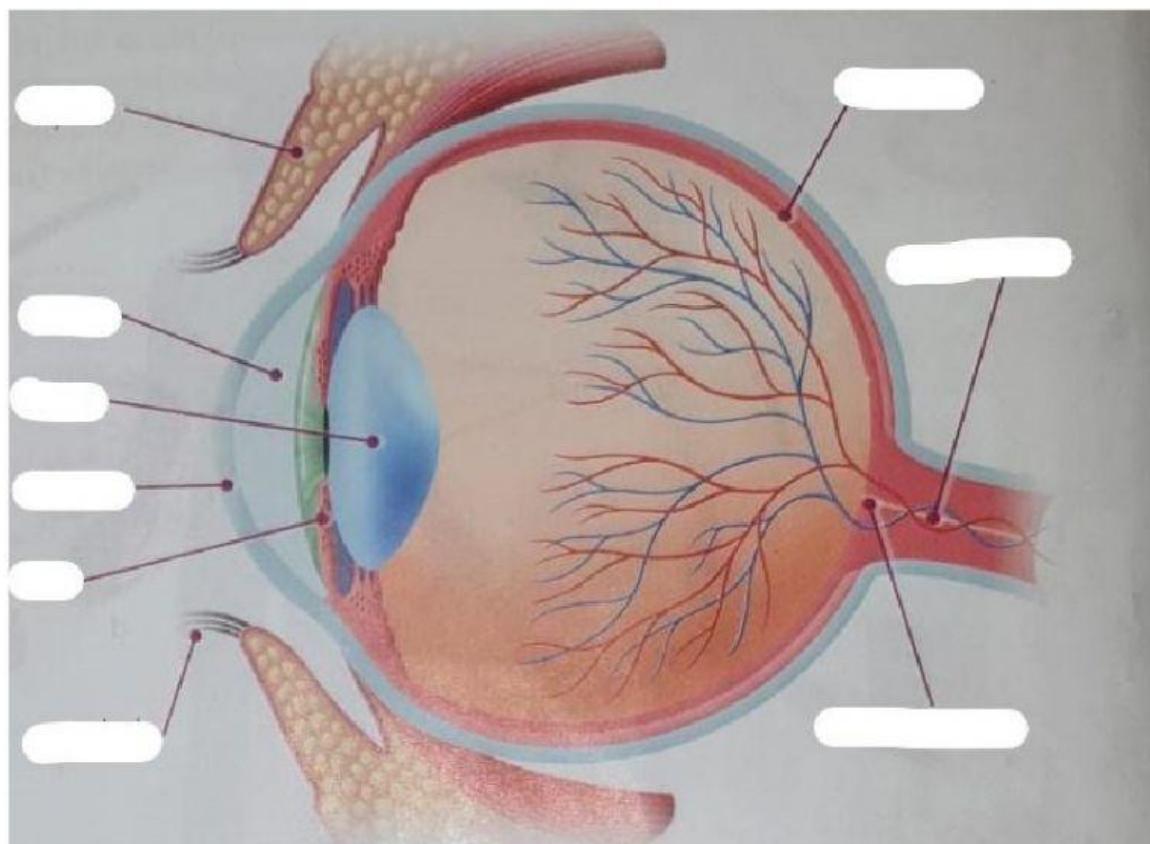
## THE SENSES

Our sense organs help us to \_\_\_\_\_. They detect information and transmitted to the \_\_\_\_\_.

### 1-SIGHT

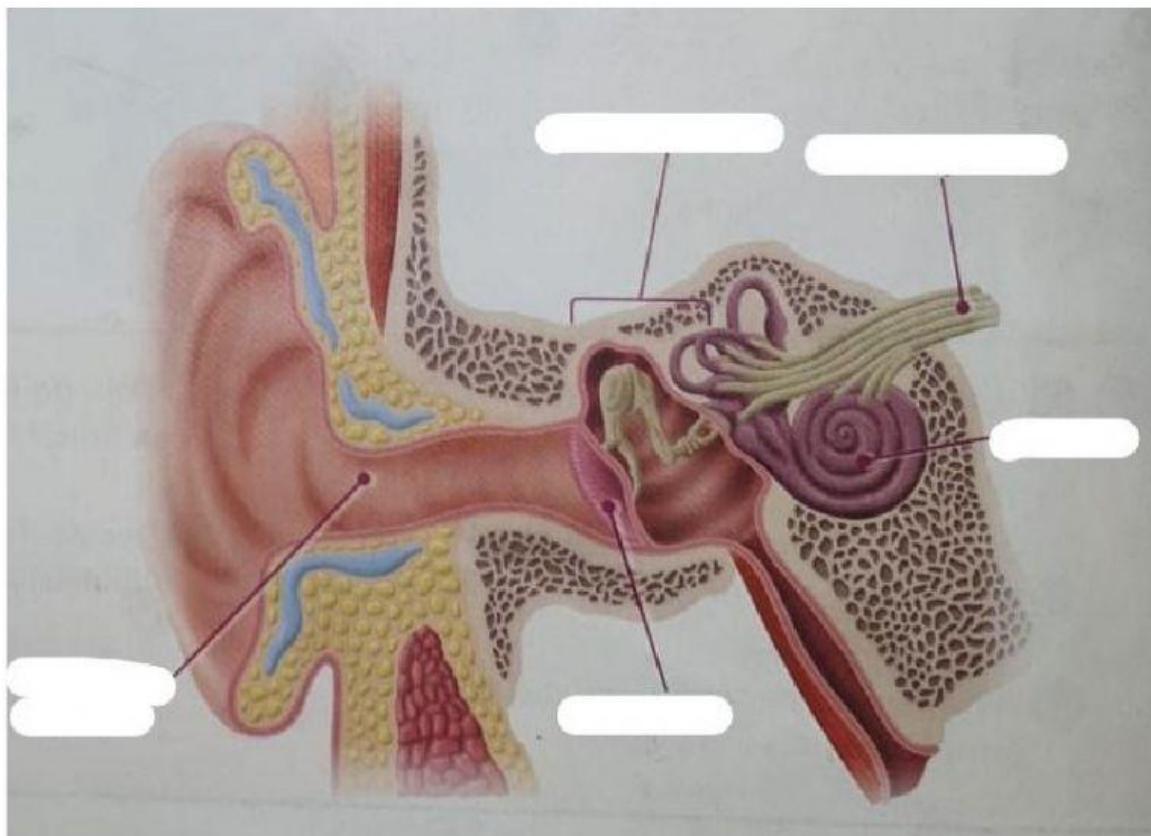
1. Light enters our eyes through the \_\_\_\_\_ and \_\_\_\_\_.
2. The amount of light entering our eyes is controlled by the \_\_\_\_\_ (colour).
3. The \_\_\_\_\_ focuses the light on the \_\_\_\_\_ at the back of the eye.
4. \_\_\_\_\_ in the retina transmit the information to the \_\_\_\_\_ nerve which then sends the information to the brain.

The place where the optic nerve leaves the eye is called a \_\_\_\_\_. This area does not respond to light.



## 2-HEARING

1. Sound waves enter the auditory canal in the \_\_\_\_\_ ear and cause the vibrate in the \_\_\_\_\_.
2. These vibrations make the three small bones in the \_\_\_\_\_ ear vibrate.
3. The vibrations finally reach the \_\_\_\_\_ in the \_\_\_\_\_ ear, where they become electrical signals.
4. The \_\_\_\_\_ then sends the signals to the brain for processing.



### 3-SMELL

1-Chemicals in the air enter our nose through our \_\_\_\_\_.

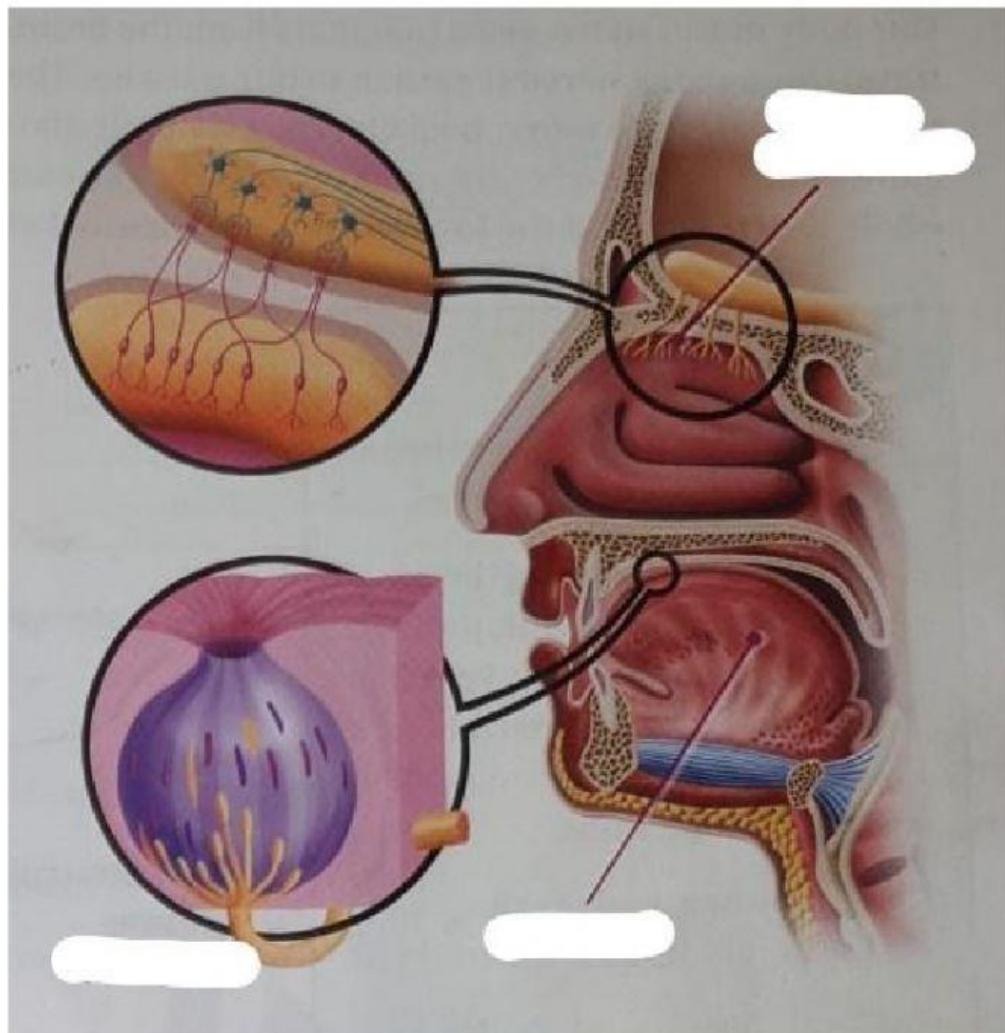
2-The chemicals then come into contact with \_\_\_\_\_ which send the information to the \_\_\_\_\_ via the olfactory nerve.

### 4-TASTE

1-Substances enter our \_\_\_\_\_ and come into contact with our \_\_\_\_\_.

2-The tongue have \_\_\_\_\_ which have \_\_\_\_\_ cells that detect the different \_\_\_\_\_ (salty, sweet, bitter and sour) and send the information to the \_\_\_\_\_.

3- Chemicals from substances in our mouths also enter the \_\_\_\_\_.



## 5-TOUCH

The \_\_\_\_\_ covers and protects our body.

The middle layer of skin, called the \_\_\_\_\_, contains nerves and

These detect sensations hot, cold ...

The nerves in the skin send information to the \_\_\_\_\_ through the peripheral nervous system and the spinal cord.

