



# Silent Bells



ഫസ്റ്റ്ബെൽ - അനുബന്ധ പഠനസഹായകസാമഗ്രി

BIOLOGY :10 CHAPTER 2 WORK SHEET-8 ENG medium 30-07-2020(Thur) CLASS 15

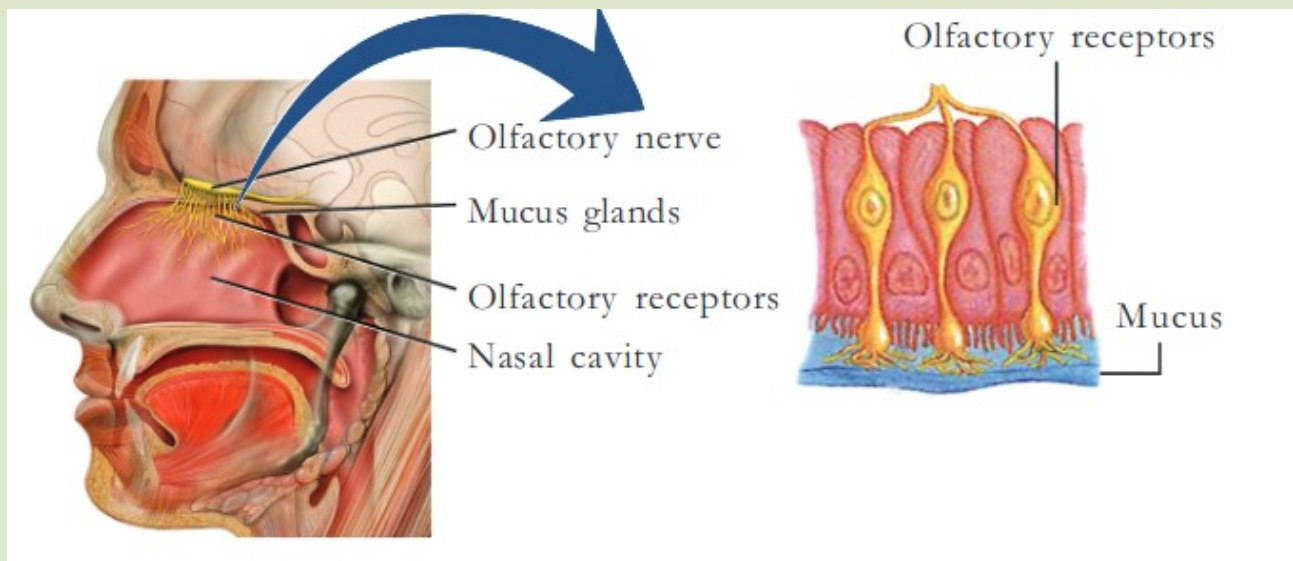


ONLINE CLASS QR CODE & LINK



**LO: To detect smell**

1. Observe the figure and answer the questions.



- Name the receptor seen in figure?
- Which sense organ is this receptor seen in?
- What is the function of this receptor?



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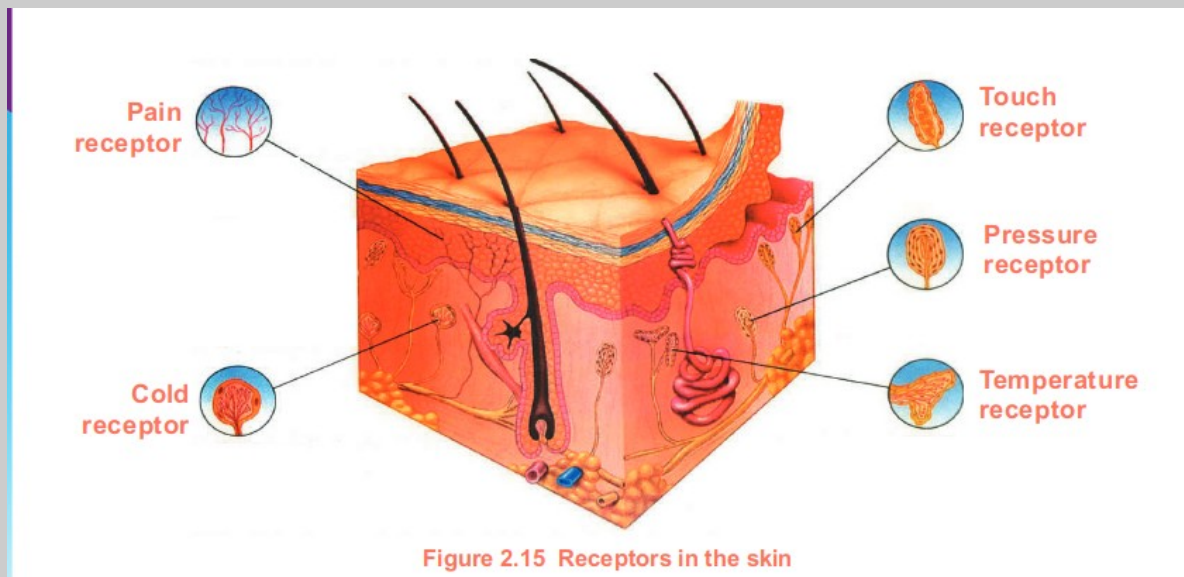
2) Complete the stages in the process of detecting smell in sequential order.

- 
- Aromatic particles diffuse in the air and enter the nostrils.
- These aromatic particles dissolve in mucus inside the nostrils.
- -----
- -----
- -----

3) What is the reason for the lack of taste while suffering from common cold?

## LO: Receptors in skin

4) Tabulate the receptors present in the skin to sense the different stimuli.

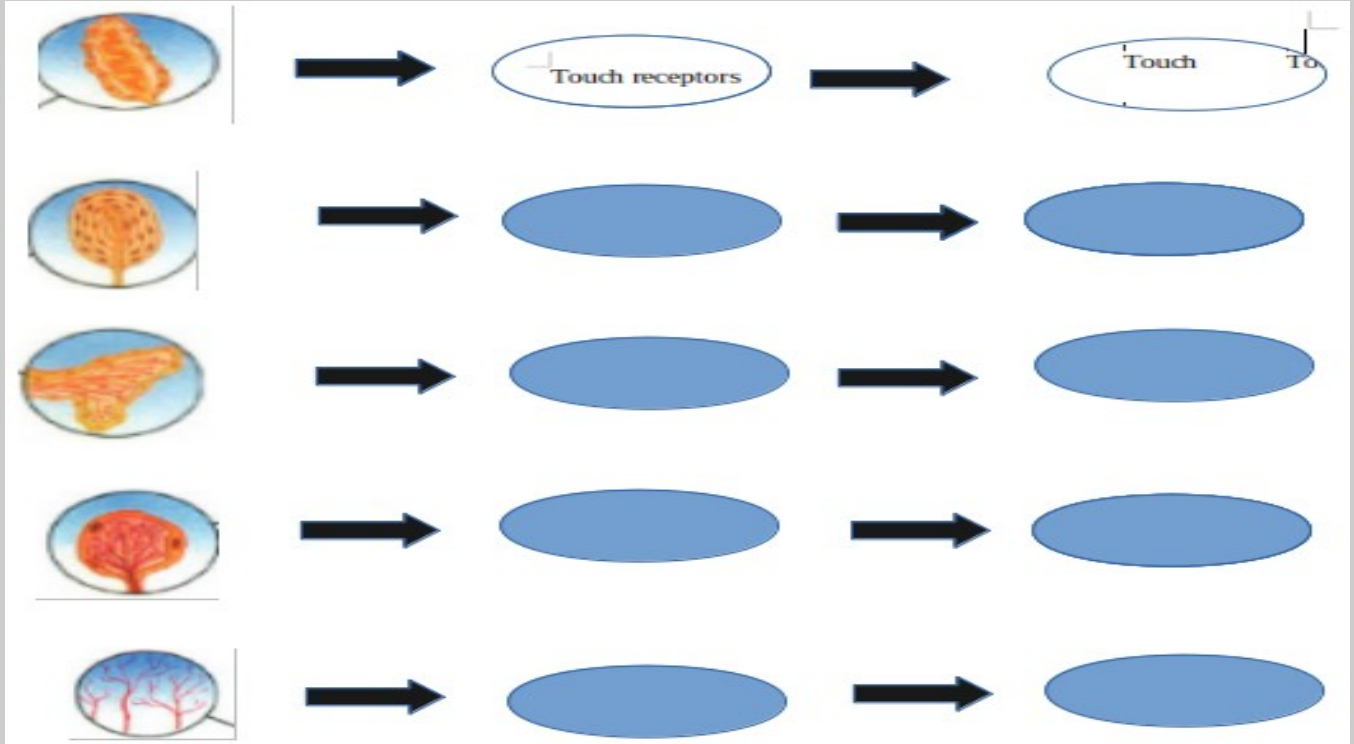




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- 5) Find out the odd one and write the common features of the others.  
Cold , Temperature, pressure, smell
  
- 6) How visually impaired people read braille script using their finger tips?




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**LO: Receptors in other organisms**

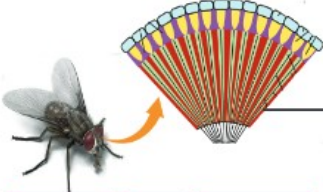
7) Observe the illustration and answer the following.

**Eye spot**  
to detect light.




**Planaria**

**Ommatidia**  
Formed of thousands of small eyes. The eye of an insect consists of a cluster of photoreceptors called ommatidia.



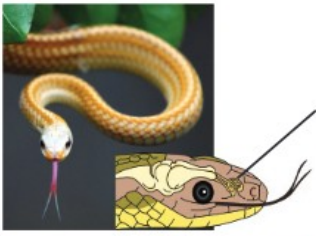
**Housefly**

**Lateral line**  
There are receptors in the lateral line on either side of the body which help to detect the change in the balance of body.



**Shark**  
highly sensitive olfactory receptors.

**Jacobson's organ**  
The aromatic particles that stick on the tongue of the snake reach Jacobson's organ seen on the roof of the mouth cavity. The olfactory receptors seen there get stimulated then.



**Snake**

**Illustration 2.5 Receptors in various organisms**

a) List the receptors of different organisms.

Organism	Receptor

b) Make note on the characteristics of receptors in organisms.

8) Prepare a presentation on the procedure of 'eye donation' by collecting data.