# 1 How do we hear, smell and taste?

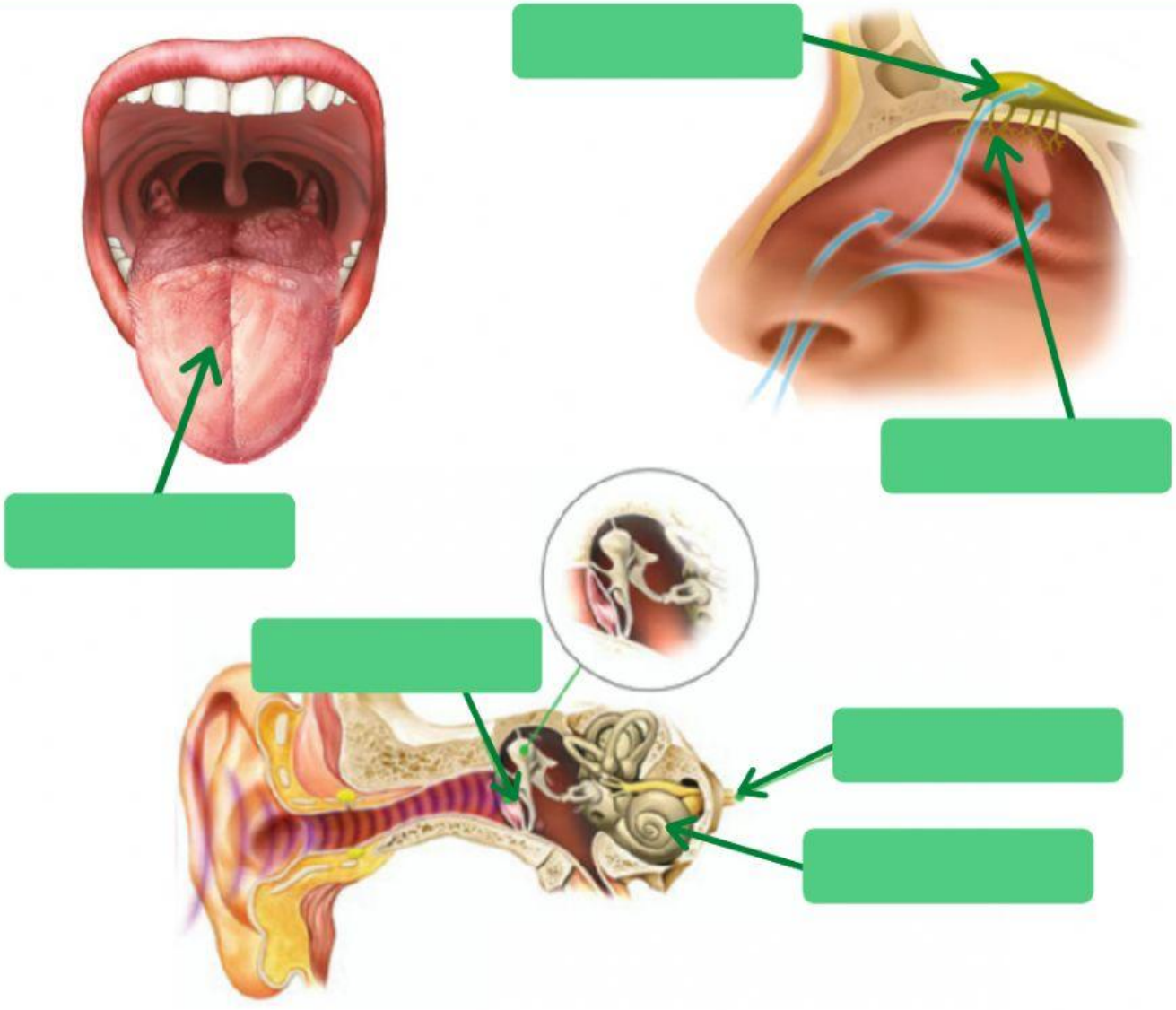


Taste or smell? Write T (taste) or S (smell).

1. Chemicals in food and drink mix with saliva. T
2. Tiny particles enter the nasal passages.
3. Olfactory cells send nerve impulses to the olfactory nerve.
4. Gustatory nerves transmit nerve impulses to the brain.

Label the diagrams.

Eardrum | Olfactory nerve | Cochlea | Olfactory cells | Auditory nerve | Tastebuds



Write T (true) or F (false).

| | |
|---|---|
| a) Sound waves go into our ear and hit the eardrum. | T |
| b) The eardrum makes the auditory nerve vibrates too. | |
| c) The cochlea detects the vibrations and produces nerve impulses. | |
| d) The auditory nerve transmit the nerve impulses to the brain. | |
| le) The gases go into your olfactory cells. | |
| f) The olfactory cells send nerve impulses to the olfactory nerve. | |
| g) The olfactory nerve transmits the impulses to the brain. | |
| h) The tiny bumps on your tongue are called cochlea. | |
| i) Tastebuds can detect special chemicals in food and drinks. | |
| j) The tastebuds produce nerve impulses and transmit them to the saliva. | |
| k) The gustatory nerves transmit the impulses to the brain. | |