

Name: \_\_\_\_\_



# 10 Minutes with Science

## The Ear



The term 'ear' refers to the outside of our ear, also called pinna or auricle. This is the beautiful rounded part that we have on both sides of the head and is the visible part of our auditory organ.

The ear is made up of skin and fibrous cartilage, and its main function is to capture the sound vibrations and redirect them into the ear, hence its peculiar spiral shape.

In addition, because the air resistance is greater inside the ear than it is outside, the ear performs the function of regulating this difference in pressure, allowing as many sounds as possible to enter the ear.

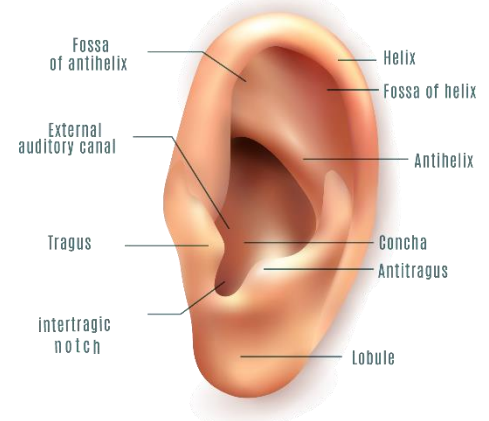
Ears also are a place for humans to adorn themselves by wearing earrings.

Ears are very important for the ability to hear. People who for one reason or another do not have ears, find it difficult to hear the sounds of low volume or intensity; since most sound waves would bounce or pass by without entering the auditory organ.

The parts of an ear are helix, triangular fossa, antihelix, concha, tragus, intertragic notch, lobule, antitragus, cymba concha and scapha.

Although the ears of humans are very similar, the truth is, there are no two human beings with exactly the same ears; our ears are unique, like fingerprints. Since ears never stop growing, some older people seem to have very large ears.

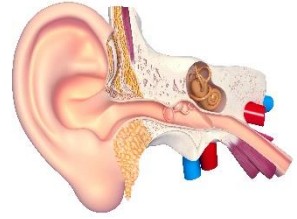
### THE STRUCTURE OF THE EAR



Name: \_\_\_\_\_

## ANSWER THE QUESTIONS

1. What is the ear?
  - a. The inner part of the ear
  - b. The middle part of the ear
  - c. The outer part of the ear
  - d. None of the above is correct



2. What is the function of the ear?
  - a. Redirecting the sound vibrations into the ear
  - b. Regulating the difference in external and internal air pressure
  - c. Holding ornaments, called earrings
  - d. All of the above are correct



3. The ear is formed...
  - a. Only by skin
  - b. By skin and fibrous cartilage
  - c. By skin and bones
  - d. None of the above is correct

4. If we didn't have ears, most of the sound waves would bounce or pass by.
  - a. True
  - b. False

5. Our ears...
  - a. are exactly the same as one of our parents.
  - b. Decrease in size over the years
  - c. never stop growing
  - d. None of the above is correct

