



## Quiz Answer Key

1. Your ears:
  - a. collect and process sounds
  - b. send signals to your brain
  - c. help you keep your balance
  - d. all of the above
2. True or false: Earwax contains chemicals that fight off infections (germs) that could hurt the skin inside the ear canal.
3. True or false: People who are exposed to loud noises over long periods of time might lose their hearing permanently.
4. True or false: Listening to loud music using earbuds can damage your hearing.
5. Fill in the blanks using the word bank at the bottom of the page:

The main job of the outer ear is to collect sound. The middle ear takes sound waves and turns them into vibrations that are delivered to the inner ear. When sound reaches the inner ear, the vibrations (sounds) cause tiny hairs on the cells to move, creating nerve signals that the brain understands as sound. The brain puts it all together and that's how you hear and process sounds.

### Word Bank

*brain*

*hairs*

*nerve*

*sound*

*vibrations*

*waves*