

Name _____

The Magical Process of Hearing: How Our Ears Perceive and Process Sound

Short Answer

1. Describe the role of the eardrum in the process of hearing.
2. How does the middle ear amplify sound vibrations, and which three bones are involved in this process?
3. Explain the function of hair cells in the inner ear and their role in hearing.
4. What happens to the electrical signals sent by hair cells in the inner ear once they reach the auditory nerve?
5. Provide an example of a high-pitched sound and a low-pitched sound, and explain how their frequencies differ.

