

Name \_\_\_\_\_

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

### Multiple Choice Questions

1. What part of the ear helps determine the direction from which sound is coming?
  - a) Inner ear
  - b) Middle ear
  - c) Outer ear
  - d) Auditory nerve
  
2. What is the primary function of the ossicles in the middle ear?
  - a) To amplify sound vibrations
  - b) To convert sound waves into electrical signals
  - c) To determine the frequency of sound
  - d) To protect the eardrum from damage
  
3. What part of the ear contains thousands of tiny hair cells responsible for converting vibrations into electrical signals?
  - a) Inner ear
  - b) Middle ear
  - c) Outer ear
  - d) Auditory nerve
  
4. What part of the brain processes electrical signals from the auditory nerve into the sounds we perceive?
  - a) Cerebellum
  - b) Frontal lobe
  - c) Auditory cortex
  - d) Medulla oblongata
  
5. Which characteristic of sound is most closely related to frequency?
  - a) Loudness
  - b) Amplitude
  - c) Pitch
  - d) Direction

