

Name _____

Exploring the World of Sound: What Is Sound?

Short Answer

1. Describe the role of the eardrum in the process of hearing sound.
2. What is the purpose of the three tiny bones (malleus, incus, and stapes) in the middle ear?
3. Explain how high-frequency sound waves differ from low-frequency sound waves, including their characteristics and pitch.
4. Provide an example of an application of sound in the field of science or technology, and briefly describe how it is used.
5. How does echolocation work in animals like bats and dolphins? What is its primary purpose?

