

Name _____

Exploring the Depths: The Magic of Sonar in Underwater Navigation and Mapping

Short Answer

1. Explain the basic principles of how sonar works and how it measures distance underwater.
2. Describe the differences between single-beam sonar, multibeam sonar, and side-scan sonar in terms of their functions and applications.
3. Provide an example of how sonar technology is used in scientific research related to the marine environment.
4. How has sonar technology contributed to the field of search and rescue operations underwater? Provide a real-world scenario.
5. Discuss the significance of using sonar for environmental monitoring and its potential impact on marine conservation efforts.

