Name _____

Journey to the Abyss: Exploring the Mysteries of the Ocean's Depths

Multiple Choice Questions

1. How do submersibles and ROVs contribute to deep-sea exploration?

a) They provide a way for scientists to breathe underwater.

b) They help scientists map the ocean floor.

c) They are used to create detailed sonar images.

d) They transport researchers to the ocean's surface.

2. What is the primary purpose of sonar technology in deep-sea exploration?

a) To collect samples from the ocean floor

b) To measure water temperature in the deep sea

c) To create detailed images of the ocean floor and underwater features

d) To provide a means of communication between submersibles and the surface

3. How do oceanographic research ships contribute to deep-sea exploration?

a) They transport researchers to the ocean's depths.

b) They carry out experiments in the lab to study the deep-sea environment.

c) They use robotic arms to collect samples from the ocean floor.

d) They provide transportation for marine creatures from the deep sea to the surface.

4. What is the primary purpose of deep-sea sampling in scientific research?

a) To explore the history of ocean exploration

b) To create maps of the ocean floor

c) To collect samples of water, sediment, and marine life for study

d) To transport scientists to the Mariana Trench

5. Where is the Mariana Trench located, and why is it challenging to explore?

a) It is located in the Atlantic Ocean and is challenging due to its shallow depths.

b) It is located in the Indian Ocean and is challenging due to its warm temperatures.

c) It is located in the Pacific Ocean and is challenging due to extreme pressure and darkness.

d) It is located in the Arctic Ocean and is challenging due to its freezing temperatures.