Underwater Acoustic Monitoring Pre-Test

Fill in the Blank (1 point each) Circle the letter of the best answer.

1. The science of sound is called
   a. biology.
   b. physics.
   c. acoustics.
   d. none of the above.

2. A method for calculating the location of an object is
   a. vocalization.
   b. triangulation.
   c. tracking.
   d. sonar.

3. The name given to sounds that are below the hearing range of humans is
   a. sonar.
   b. ultrasonic.
   c. infrasonic.
   d. decibel.

4. Marine mammals use sound to
   a. communicate.
   b. locate food.
   c. interact with their environment.
   d. all of the above.

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Fill in the Blank (1 point each)

Use some of the following words:

ambient	echolocation	acoustics
hydrophone	decibels	triangulation

5. Killer whales use sound wave reflection in a method called **echolocation** to navigate and locate prey.

6. The volume of a sound is measured in **decibels**.

7. Scientists listen to underwater sounds with a special listening device called a **hydrophone**.

8. Background noise that is regularly present is also known as **ambient** noise.

Short Answer (1 point each)

9. What sounds do you think you can hear underwater in the ocean?

   Varies, but a correct answer demonstrates thinking about the issue. Likely answers include animals, waves, boats, etc.

10. Describe how boat noise could impact marine mammals.

    Varies, but a correct answer demonstrates thinking about the issue. Boat noise could disrupt feeding, scare animals, interrupt mating, disrupt migration, etc.