

Echolocation Worksheet

Part I Question/Fill in the Blank

1. Echolocation Concepts

- a. What is echolocation?

- b. _____ is a wave and form of energy that dolphins use to send a signal during echolocation.

- c. Why do dolphins use echolocation?

- d. Which dolphin sense is highly developed? (Sight, Hearing, Touch, Smell, Taste)

2. Dolphin Auditory Anatomy/Biology

- a. Dolphins are classified as fish or mammals? Why?

- b. The fatty material in the dolphin's forehead that helps to focus sound waves is called the _____.

- c. Do dolphins have ears? What dolphin body part first receives an echo?.

- d. The dolphin auditory nerve has _____ the amount of nerve fibres compared to the human auditory nerve.

3. Human Auditory Anatomy/Biology

- a. When sound waves reach your ears, they stimulate _____ cells
Deep in your ear. Impulses are sent to the _____ and you
hear a sound.
- b. After sound waves cause the eardrum to vibrate they then move through
three little bones called the _____, _____, and
_____.
- c. Describe two purposes of the inner ear.

Part II Venn Diagram:

