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.

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**Part II Venn Diagram:**

![Venn Diagram](image-url)