

WRITTEN ASSESSMENT:

Prisoner of Echo

NAME: _____ **DATE:** _____ **CLASS:** _____

MULTIPLE CHOICE

Directions: Read the questions below. Circle the letter next to the correct answer.

1. The loudness of a sound depends on which of the following?
 - A. pitch
 - B. amplitude
 - C. frequency
 - D. wavelength

2. The pitch of a sound depends on which of the following?
 - A. loudness
 - B. amplitude
 - C. frequency
 - D. wavelength

3. Which terms accurately describe sound waves?
 - A. longitudinal, electromagnetic
 - B. electromagnetic, transverse
 - C. transverse, mechanical
 - D. mechanical, longitudinal

4. Sound travels at the slowest speed through which of the following?
 - A. a wooden block
 - B. a metal rod
 - C. water within a container
 - D. air inside a balloon

SHORT ANSWER

5. Briefly explain the role of echolocation in the game.

6. Draw a sound wave and label the following: rarefaction, compression, wavelength, and amplitude.