

# LIGHT AND SOUND TEST

Name: \_\_\_\_\_

1. Vibrating particles of matter that are sensed by our ears is called:

- A. light
- B. wavelength
- C. sound
- D. frequency

2. Sound waves travel best through:

- F. gases
- G. liquids
- H. solids
- J. vacuum

3. Which communication tool is most often used by people?

- A. Morse Code
- B. voice
- C. hand signals
- D. medical instruments

4. Which of the following is NOT a communication tool?

- F. voice
- G. Morse Code
- H. Sonar
- J. all are communication tools.

5. Which of the following would be useful in locating a sunken ship at the bottom of the ocean?

- F. sonar
- G. lasers
- H. Morse Code
- J. telescope

6.



A student plans to investigate how sound changes when it travels with different amounts of liquid are struck with a mallet, in which order must the bottles be placed so that the sound changes from a low pitch to a high pitch?

- A. A,B,C,D
- B. D,A,B,C
- C. C,D,A,B
- D. C,D,B,A

7. An echo is an example of sound being:

- A. transmitted
- B. reflected
- C. absorbed
- D. broken