

MiSP Light and Sound Assessment L1

Name _____

Date _____

1. List two differences between light waves and sound waves.

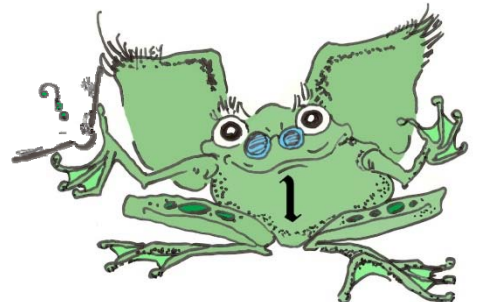
a. _____

b. _____

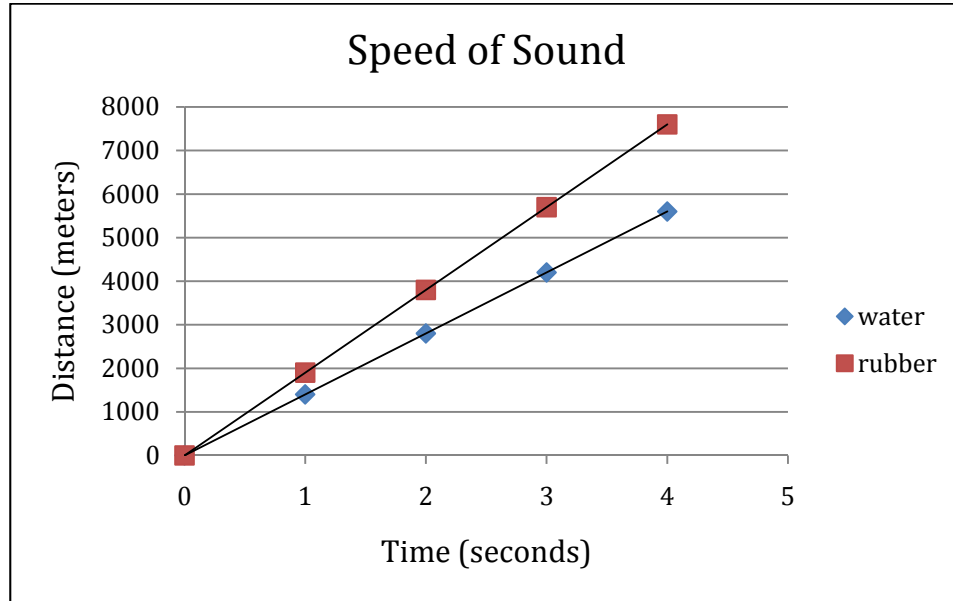
2. When light travels through a medium that is denser than air, it speeds up / slows down (circle one).

3. When sound travels through a medium that is denser than air, it speeds up / slows down (circle one).

4. Explain why sound cannot travel in a vacuum.



5. The graph below shows the distance (m) that sound can travel each second for 4 seconds in water and in rubber.



6. Does sound travel faster in water or in rubber? _____ How do you know?

7. What is the speed of sound in rubber? Show equation, substitutions, and answer.

