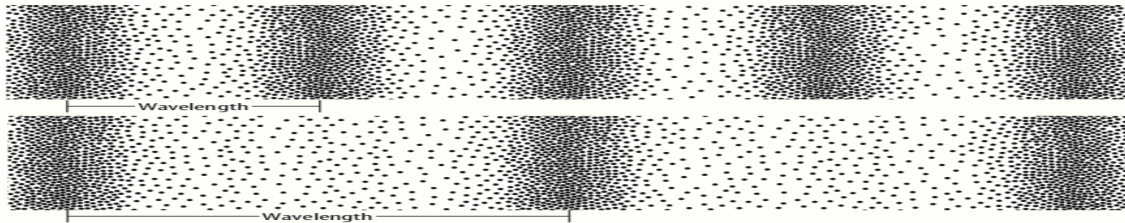


What is Sound Question?

1. When a wave of energy is carried from one place to another does it transfer matter?
2. How does a sound wave produce sound?
3. Explain why a sound wave can NOT travel if there is no medium? (ot in the reading)
4. How do you find the frequency of a sound wave?
5. Which is a sound wave able to travel through the fastest (solid, liquid, gas).
6. Explain how a sound wave travels fast in the choice from question 5.
7. Does a sound wave travel fast in hot or cold environments?
8. Explain your answer to question 7.
9. What is "loudness"?
10. Look at Table 1 on the bottom of page 38, which material does sound travel the fastest in?
11. The higher the amplitude of a wave, the _____ the amount of energy?
12. What is pitch?
13. What is the relationship between pitch and frequency? (higher the pitch the ...)
14. What is the relationship between wavelength and pitch?



15. Which wave below has the higher pitch?
16. How do you know?
17. What is an echo?
18. How do sonar systems measure distance?
19. Why is it a good technique for bat to use echolocation at night?