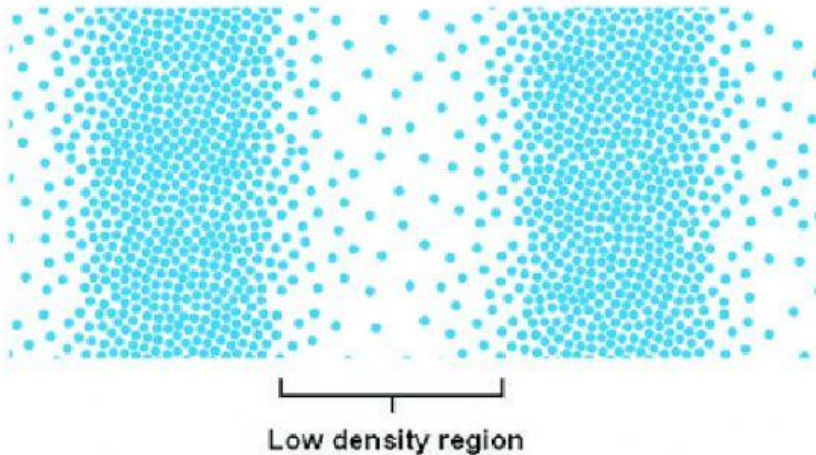


1. What is the area of low density in a sound wave called?

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### Sound wave



- A. ☐ wavelength
- B. ☐ rarefaction
- C. ☐ amplitude
- D. ☐ compression

2. What must something do in order to produce a sound?

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- A. ☐ vibrate
- B. ☐ remain still
- C. ☐ move in one direction only
- D. ☐ have an electric charge

3. Where is the eardrum located?

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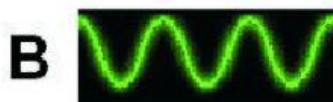
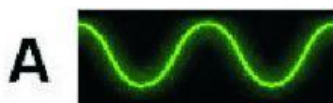
- A. ☐ in the outer ear
- B. ☐ in the middle ear
- C. ☐ in the inner ear

D. ☐ between the ear and the brain

---

4. This image shows oscilloscope readings of three sound waves. Which wave has the highest frequency?

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- A. ☐ wave A  
B. ☐ wave B  
C. ☐ wave C  
D. ☐ more information is needed
- 

5. Why does sound travel at different speeds through different materials?

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- A. ☐ because matter causes sound to echo  
B. ☐ because long wavelengths travel farther than short wavelengths  
C. ☐ because sound travels fastest in low density substrates  
D. ☐ because sound transmission involves interaction between particles in matter
- 



This is the end of the test. When you have completed all the questions and reviewed your answers, press the button below to grade the test.

Grade the Test

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