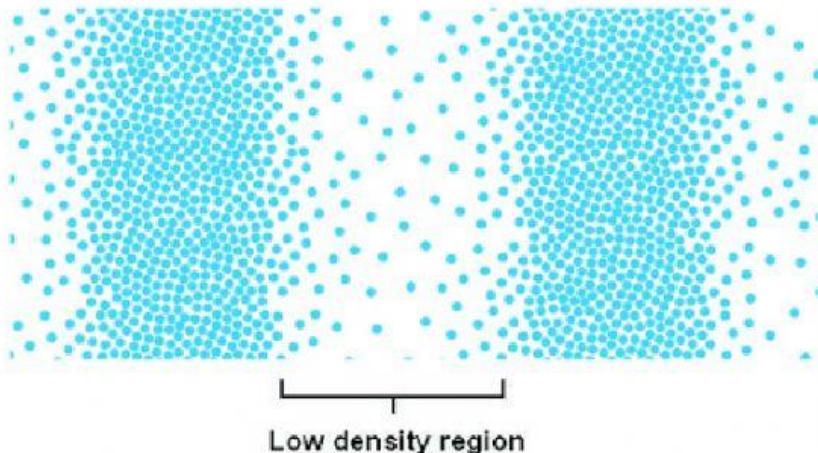


Online Quiz

Sound

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?

[Need a Hint?](#)

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

3. Where is the eardrum located?

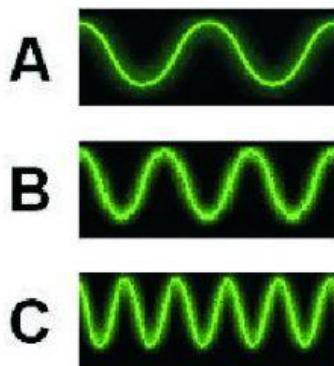
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- A. in the outer ear
- B. in the middle ear
- C. in the inner ear

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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