

Sound

1. What is vibration?

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2. What is it that vibrates in solids, liquids and gases?

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3. a) When something vibrates in the air, what are squashed together?

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b) What change in the air does this squashing cause?

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c) When the squashing ends what happens next?

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d) What alternate regions are generated in the air?

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e) What do these alternating regions make as they move through the air?

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4. a) In which state of matter do sound waves travel fastest?

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b) In which state of matter do sound waves travel furthest?

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c) In which state of matter do sound waves travel slowest?

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5. The following statements describe the events that happen as an animal comes near a snake. They are in the wrong order. Arrange them correctly by writing the letter of each statement in the order in which it occurs.

A. The snake's ears receive the vibrations.

B. A foot approaches the ground.

- C. The vibrations pass across the ground.
- D. The snake prepares to attack.
- E. The lower jawbone of the snake starts to vibrate.
- F. A foot touches the ground and makes it vibrate.