

# Travelling sound

This task is about choosing evidence to support a science idea.



Scientists often start with an idea and then observe carefully to find evidence that their idea might be right. Danny's group collected some scientists' ideas about sound. They then wrote down some things they knew or had noticed about sound. In the boxes beside each piece of evidence select the letter of the science idea that it relates to.

## Scientists' ideas

A	B	C	D
Sound travels through solids.	Sound travels through water.	Sound travels through air.	Sound cannot travel through a vacuum.

i) Dolphins call to each other while travelling through the water.

<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D
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ii) We can hear people talking in the room next to us. (Select **two**)

<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D
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iii) There is no sound in Space.

<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D
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iv) We can feel the vibrations if a metal pipe is struck by something hard.

<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D
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v) We hear echoes in caves.

<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D
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vi) From a distance we can see an axe hit a piece of wood before we hear the chopping noise.

<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D
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