

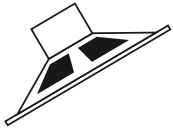


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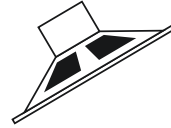
See pages 12 and 13 of *Changing sounds*

Echoes and reflections

Sound will bounce, or reflect, from hard surfaces. Delayed sound reflections are called echoes.



A



B



Q1. (i) In Picture A, draw in the path of the sound waves that travel from the loudspeaker to the ear.


(ii) In Picture B, draw in the path of the sound waves that travel from the loudspeaker to the ear.

(iii) How are the surfaces different in A and B?



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Q2. In which picture, A or B, are the largest reflected sound waves made? 

Q3. In which picture, A or B, will the reflected sound waves be less clear than the original sound? 

Q4. If you sit at the back of a large hall and listen to someone at the other end play the cymbals, why do you hear two sounds?



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Q5. Name two places where very strong echoes can be heard. Explain your answer.



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