

Changing Sound

Learning Objective:

To find out that some materials are effective in preventing vibrations from sound sources reaching the ear.



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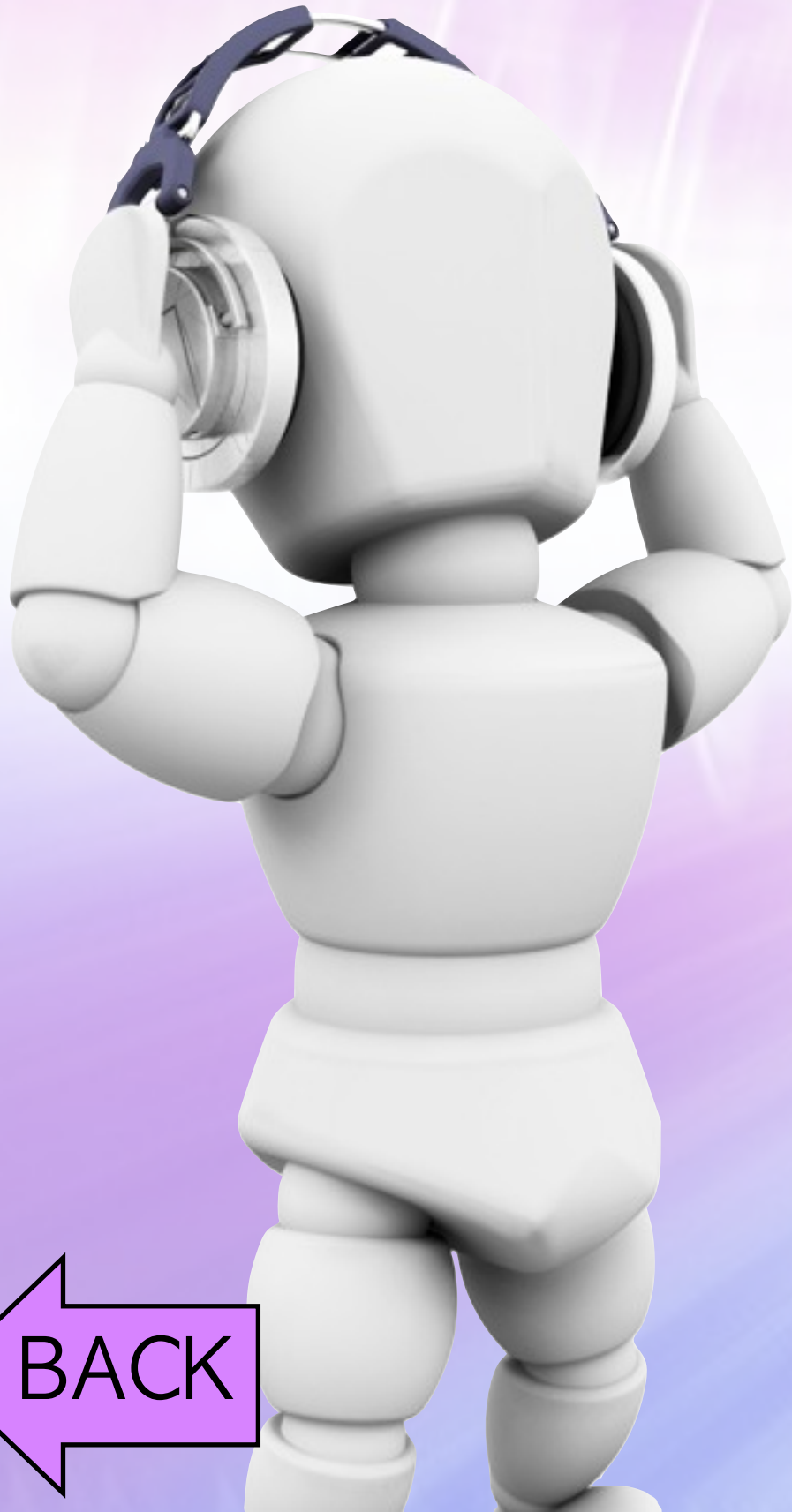


This construction worker is wearing protective gear, including ear protectors. Why is this necessary?

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Sometimes, either for safety or for convenience, it is necessary to prevent sounds from travelling.



Can you think of any other examples of times when it is necessary or desirable to muffle sound?

How many ways can you think of to stop sound from reaching the ears?

Think, pair, share your ideas.

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Where are sounds loudest and quietest in our school? Let's go and find out...



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If we wanted to conduct an experiment for testing which materials are best at soundproofing, how could we do this?

What materials do you think we could test?

How would we make it a fair test?



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