

Name: _____ Date: _____



Sometimes it is important to stop sound waves from reaching the ears. Plan and carry out an experiment to see which materials are best for soundproofing.

How will you carry out your experiment?

What materials and equipment will you need?

How will you make sure your experiment is a fair test?

How will you know which materials are the most soundproof?

Material	Can you hear the sound?	How well can you hear the sound? (0 is silent and 10 is very loud)
	YES / NO	0 1 2 3 4 5 6 7 8 9 10
	YES / NO	0 1 2 3 4 5 6 7 8 9 10
	YES / NO	0 1 2 3 4 5 6 7 8 9 10
	YES / NO	0 1 2 3 4 5 6 7 8 9 10

Conclusion:

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Sometimes it is important to stop sound waves from reaching the ears. Plan and carry out an experiment to see which materials are best for soundproofing.

How will you carry out your experiment?

Which materials will you test?

What other equipment will you need?

Predict how soundproof the materials will be from most soundproof to least soundproof:

How will you make your experiment a fair test?

Results:

Conclusion: