



Name: ..... Form: .....

Based on pages 6 and 7 of *Changing sounds*

# Does sound travel through different materials?

**Try this...**

1. Collect a clock with a loud tick or turn on a battery operated radio.
2. Put an inflated balloon next to the sound source.
3. Press your ear gently against the balloon on the side furthest from the sound source and listen.
4. Place a balloon filled with water next to the sound source, press your ear against the balloon and listen again.
5. Place one end of a piece of wood on the sound source.
6. Put your ear on the other end of the piece of wood and listen.
7. Write a report of what you heard in this investigation.



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8. What can you conclude from the investigation?



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9. Hold two metal spoons inside an empty bowl and tap them together.
10. Fill the bowl with water and tap the spoons together underwater.
11. What differences did you notice about the sound of the spoons in steps 9 and 10?



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12. Do your observations support any conclusions? Explain your answer.



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