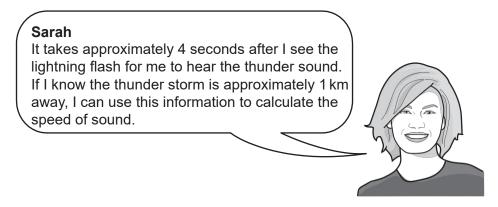


## GCSE Physics B (Twenty First Century Science) J259/02 Depth in physics (Foundation Tier)

**Question Set 26** 

**1\*** Sarah is investigating how to measure the speed of sound, and knows that sound is produced when there is a lightning flash during a thunder storm.



Explain why Sarah's method is inaccurate, and suggest one other method Sarah can use to accurately measure the speed of sound.

The speed of sound in air is approximately 340 m/s.

Use the equation: speed = distance ÷ time

You may include a diagram to support your answer.

[6]

## **Total Marks for Question Set 26: 6**



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