

GCSE Physics A (Gateway)
J249/02 Physics A P5-P8 and P9 (Foundation Tier)

Question Set 4

- 1** A student watches a ball game on the school field.
- The student sees the ball being hit with a bat but he hears the sound a short time after. This is because the speed of light is greater than the speed of sound.
- He decides to do an experiment to measure the speed of sound waves in air.
- (a) Describe which measurements he needs to measure this speed. **[2]**
- (b) Which equation is used to calculate speed? **[1]**
- (c) Describe one way he could get valid results for this experiment. **[1]**

Total Marks for Question Set 4: 4

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