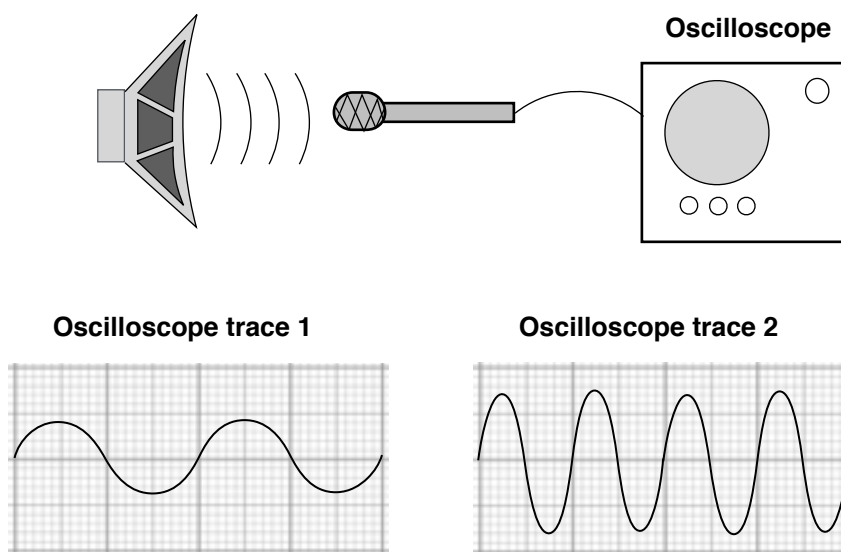


- 1 A microphone is set up to record and display the sound of two single notes made by a loudspeaker. The sounds are displayed on an oscilloscope which shows the sounds as transverse waves.



- 1 (a) (i) Describe and explain the difference between the two sounds made.

Use the two oscilloscope traces to help you.

**[4 marks]**

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- 1 (a) (ii) Sounds waves are described as longitudinal.

How is a longitudinal wave produced?

**[3 marks]**

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**(Total 7 marks)**

**End**

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