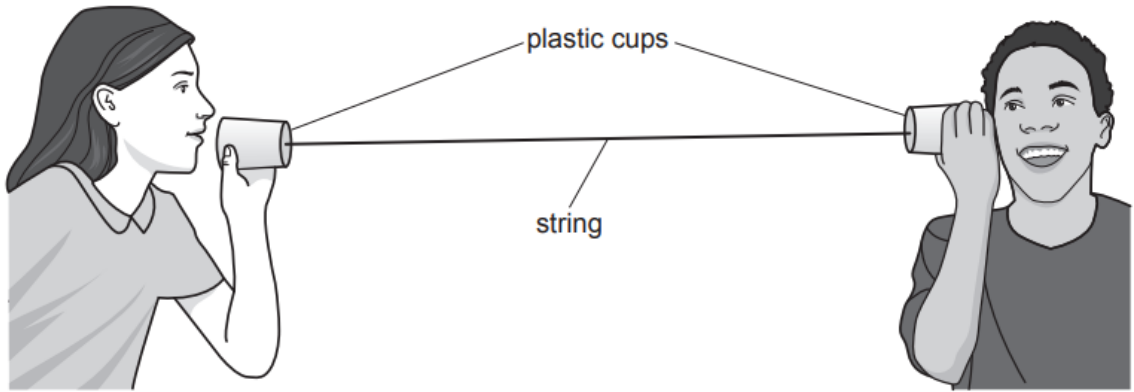


GCSE Physics B (Twenty First Century Science)
J259/03 Depth in physics (Higher Tier)

Question Set 5

Multiple Choice Questions

1 Sound waves in the air change when they become sound waves in the string.



Eve and Amir make a toy telephone out of plastic cups and string.

(a) How do the **speed**, **frequency** and **wavelength** of the sound waves change when they leave the air and enter the string?

Put one tick (✓) in each row. One has been done for you.

	Increase	Decrease	Stay the same
Speed	✓		
Frequency			
Wavelength			

[2]

(b) The speed of sound in the string is 600 m/s.

Calculate the frequency of a sound with wavelength 1.2m in the string.

Frequency = Hz [3]

Total Marks for Question Set 5: 5

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