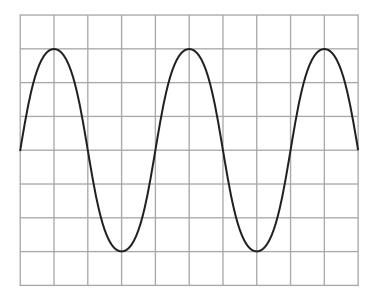
5	A student uses a dog whistle to produce a high frequency sound wave that cannot be heard by humans.	
	(a) State the frequency range for human hearing.	(2)
	(b) The student uses an oscilloscope to display the sound wave.	
	(i) Name the other piece of apparatus the student would need in order to display the sound wave.	
	the sound wave.	(1)
	(ii) Describe how the student should use the apparatus to determine the frequency of the sound.	(3)

(iii) The student obtains this trace on the oscilloscope.



On the grid, draw a trace of a quieter sound with double the frequency.

(2)

(Total for Question 5 = 8 marks)