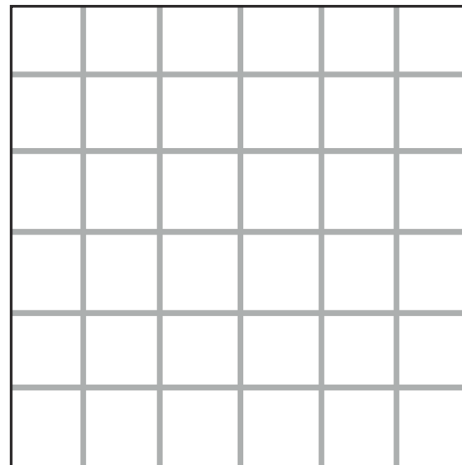
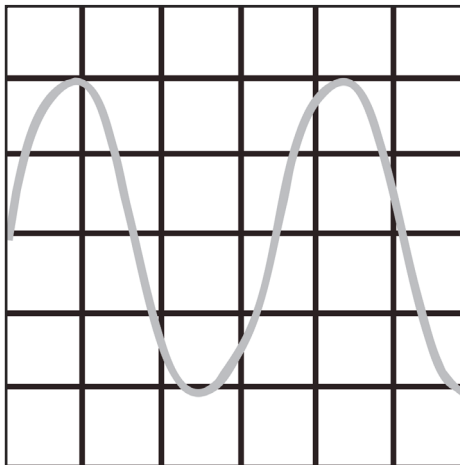


Sound Exam Style Questions 1

1. A group of pupils were learning to play the guitar and wanted to investigate how they could change the sound they were making.



- What would happen if the pupils tighten the strings?
- What would happen if the strings were thicker?
- An oscilloscope reading for the note played is shown below. If the next reading was higher pitched, what change would occur? Show your answer in the grid below (remember you will need to keep some things the same).



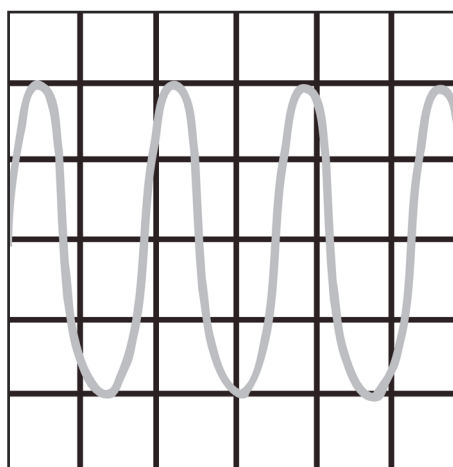
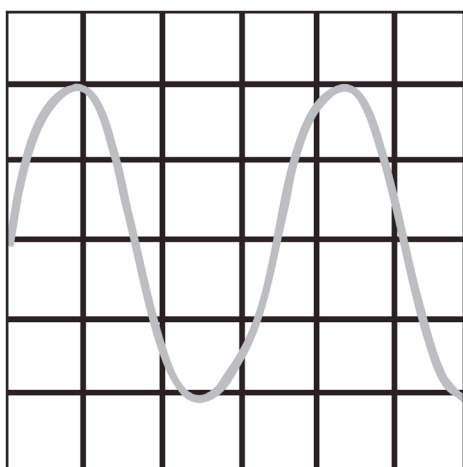
- The loudness of sound is measured in decibels and, if we are exposed to loud noises frequently, it can damage our hearing. State 2 ways that can help protect our ears.
 - 1.
 - 2.

Sound Exam Style Questions 1 Answers

1. A group of pupils were learning to play the guitar and wanted to investigate how they could change the sound they were making.



- What would happen if the pupils tighten the strings?
The sound would have a higher pitch.
- What would happen if the strings were thicker?
The sound would have a lower pitch.
- An oscilloscope reading for the note played is shown below. If the next reading was higher pitched, what change would occur? Show your answer in the grid below (remember you will need to keep some things the same).



- The loudness of sound is measured in decibels and, if we are exposed to loud noises frequently, it can damage our hearing. State 2 ways that can help protect our ears.

Wear ear muffs, turn the sound down on electronic equipment, double glazing, plant trees as a sound barrier, or any other answer referring to creating barriers or greater distance between ourselves and the source of sound.