

1-How is sound made by a guitar string?

2-Name two ways in which a string can make a higher sound.

3- Which one of these statements is true most of the time? Tick the correct answer.

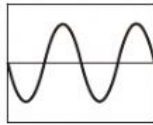
- ☐ a) You hear thunder before you see lightning.
- ☐ b) You see lightning before you hear thunder.
- ☐ c) You hear thunder and lightning at exactly the same time.

4- Which one of these statements is true? Tick the correct answer.

- ☐ a) Sound travels faster in water than in air.
- ☐ b) Sound travels faster in air than in water.
- ☐ c) Sound travels at the same speed in water and in air.

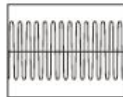
5-Why can't sound travel in space?

6-The teacher places a microphone near the pupil as she plays her flute. The diagram below shows the pattern on an oscilloscope screen.

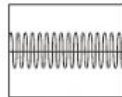


The pupil then plays her flute at a **higher pitch** and **more quietly**.

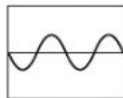
Which diagram below shows the pattern that would be seen on the oscilloscope?



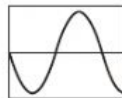
A ☐



B ☐



C ☐



D ☐

Tick the correct box.

7-Name two ways in which a string can make a higher sound.

- 8- Fill in the missing result using prediction.

Force Used to Pluck String	Volume of Sound
5N	30 dB
10N	40 dB
15N	50 dB
20N	60 dB
25N	

- 9-How can I make a fainter sound when I pluck a string by moving where I am?