

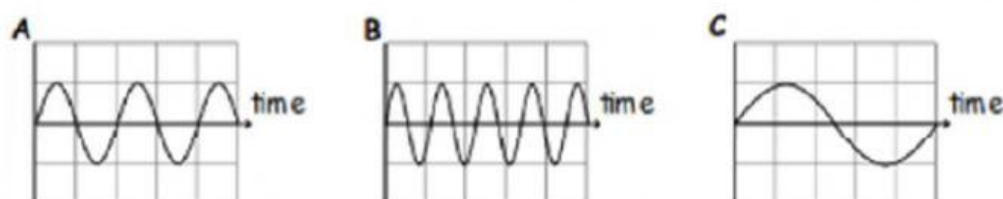
1	Tuning forks make a sound.	A	Because a child's voice is higher (it has a higher frequency).
2	You need a microphone to send a sound signal to a CRO.	B	Because loud noises have more energy, so the waves have a bigger amplitude.
3	There are more waves on the screen when a child sings into the microphone than when a man does.	C	Because the prongs vibrate.
4	The waves on the screen are taller for a louder noise.	D	Because this makes the vibrating part of the string shorter, giving a higher note.
5	Guitar players place their fingers on the strings as they play.	E	Because a microphone turns sound into electricity.

1 Use some of these words to fill the gaps.



- a Sound is made when something
- b Fast vibrations make a pitched sound.
- c vibrations make a low pitched sound.
- d Big vibrations make a sound.
- e vibrations make a soft sound.
- f A shows the pattern of a sound on a screen.

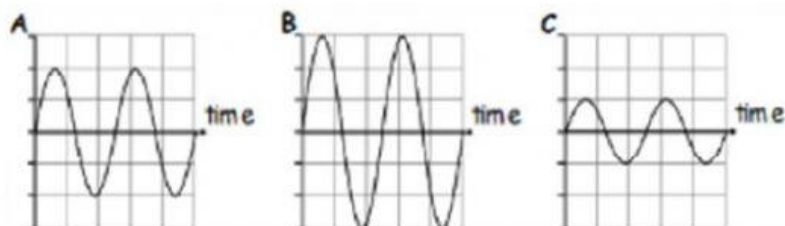
2 Look at these three sounds.



Fill in the gaps in the sentences *and* then tick the correct answer:

- a Wave has the lowest pitch. This is because it has ...
 - ...the most vibrations in the same time ☐
 - ...the least vibrations in the same time. ☐
- b Wave has the highest pitch. This is because it has ...
 - ...the most vibrations in the same time ☐
 - ...the least vibrations in the same time. ☐

3 Look at these three sounds.



Fill in the gaps in the sentences *and* then tick the correct answer.

a Wave is the softest sound. This is because it has ...

... the biggest vibrations ☐

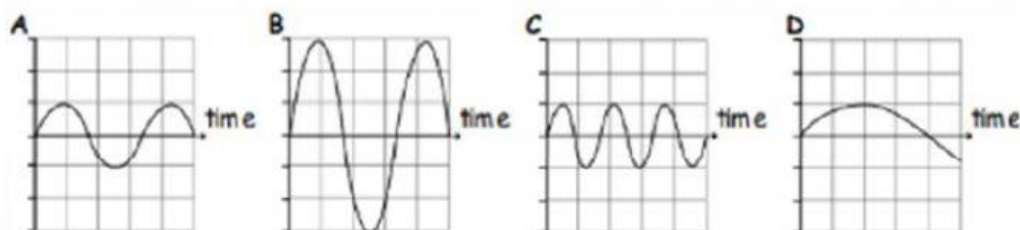
... the smallest vibrations. ☐

b Wave is the loudest sound. This is because it has ...

... the biggest vibrations ☐

... the smallest vibrations. ☐

4 Look at these four sounds.



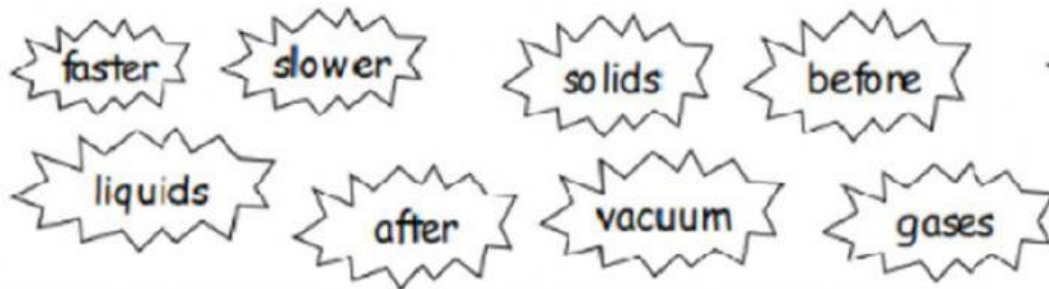
Fill in the gaps.

a Which wave has a higher pitch than A?

b Which wave is louder than A?

c Which wave has a lower pitch than A?

1 Use these words to fill in the gaps.



You n
word
than

- a Sound can travel through _____ ,
_____ and _____ .
- b Sound cannot travel through a totally empty space
called a _____ .
- c Sound travels _____ through solids and
liquids than through gases.
- d Sound travels much _____ than light.
- e I see lightning _____ I hear the thunder.

2 At a cricket match, you see the ball being hit before
you hear the sound of it hitting the ball. This is
because ...

- ... sound travels faster than light ☐
- ... light travels faster than sound ☐
- ... the ball travels faster than sound. ☐

Tick the
correct
answer.