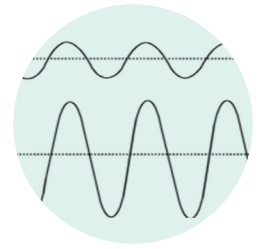


# Science - Test Your Skills

## Year 4 Sound



### 1. Fill in the gaps to make the paragraph true.

sound          sound wave          vibrates          ripple          air

When an object ....., sounds are made. Vibrations create a..... by moving the ..... above it.  
Air vibrations ..... like throwing a stone into a pond.  
This creates a .....

2 marks

### 2. The boy in the image can hear the bell ringing.

What medium are the sound waves travelling through?



1 mark

### 3. Use some of the words from below to fill in the gaps.

mouse squeaking          hard          low          high          loud          cow mooing

The pitch of a note is how high or how .....it is.  
A bell makes a..... pitched sound.  
A drum makes a..... pitched sound.  
Another good example of a high pitched sound is a.....

1 mark

4. Draw the lines to match the source of the sound, the volume of the sound and the strength of the vibrations:

Gentle tapping a drum

Strong vibrations

Quiet sound produced

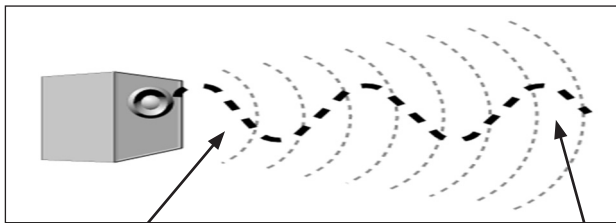
Banging on a drum with a lot of force

Weak vibrations

Loud sound produced

1 mark

5. Label the diagram below showing where the sound will be loudest and quietest.



[Empty box for labeling]

[Empty box for labeling]

1 mark

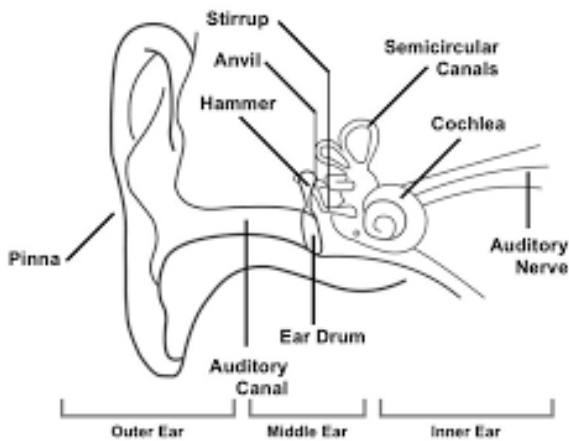
6. Describe the function of the hammer and the ear drum.

Hammer:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

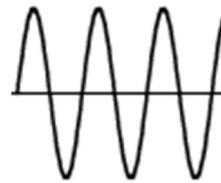
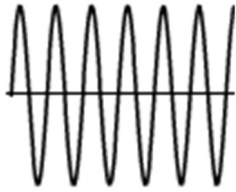
Ear drum:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



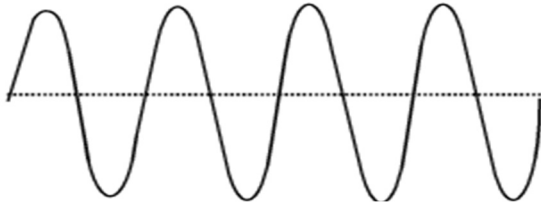
2 marks

7. Label the diagrams below as **low pitch** or **high pitch**.



1 mark

8. Match the sound wave with the volume of the sound.



loud sound

quiet sound

1 mark

/10

Total