

Sound



Use the information you have learned to answer the questions about sound.

1. What is sound?

2. What is a sound source?

3. What can sound waves travel through?

4. Is there sound in space? yes no
Explain your answer.

5. Sound and light travel at different speeds. Why do we see a flash of lightning before we hear a rumble of thunder?

6. What happens when sound waves reach our ears?

7. Volume is:

Tick **one**

how loud or quiet a sound is.

how high or low a sound is.

how long a sound lasts.

8. The volume of a sound is measured in units called: Tick **one**

millimetres

decibels

hertz

grams

9. Draw a line to match the sound source to its volume.

whispering ●

● 80 dB

screaming ●

● 60 dB

talking ●

● 20 dB

10. Pitch is:

Tick **one**

how loud or quiet a sound is.

how high or low a sound is.

how long a sound lasts.

11. The pitch of a sound is measured in: Tick **one**

millimetres

decibels

hertz

grams

12. Can humans hear all pitches of sound?

yes

no

13. What damage can be done to hearing from exposure to loud noises?

14. What can people do to help prevent ear damage from loud noises?
