

Science

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(Chapter – 12) (Sound)

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Question 1:

Explain how sound is produced by your school bell?

Answer 1:

When the gong strikes the bell, vibrations are produced in the bell which are transmitted through the air to our ears. These vibrations produce sensation of sound in our ears.

Question 2:

Why are sound waves called mechanical waves?

Answer 2:

Sound waves are called mechanical waves because they need a material medium to travel.

Question 3:

Suppose you and your friend are on the moon. Will you be able to hear any sound produced by your friend?

Answer 3:

On the moon, sound cannot travel as there is no atmosphere. Sound cannot travel in vacuum so we will not be able to hear any sound.