

Tender Heart High School, Chandigarh.
Class-V Subject - Science
Chapter - 8 Sound and Noise
Teacher: Mrs Nimrita

Date 30.10.23

Good Morning Children!
This lesson is of Class-V for the subject of General Science, Chapter-8, Sound and Noise of your textbook New Trends in Science, Evergreen Publications. It is being submitted to you on
28th October 2024

Today, we are going to discuss different types of sounds.

Let us begin with

- 1.) Soft sound → The sound having less amplitude and is soothing to ears. Low amplitude means low-energy wave and a low amplitude sound will be soft. For example: Whispering.
- 2.) Loud sound → The sound having greater amplitude and is harsh to ears. A high amplitude wave is a high energy wave and therefore, a high amplitude sound will be loud. For example: Rockets produce loud sound.

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RocketLoud sounds can damage our
ears.

7 Activity → Strike a drum gently.
The sound produced is soft
and feeble. Now, strike the
drum hard, the sound produced
is loud.

When you strike the drum
hard, you put more of your
energy and this energy is
changed to sound energy.

Strike a
drum

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- 3.) Pleasant sound $\rightarrow$ The sounds which are pleasant to our ears are known as pleasant sounds.

For example: Musical sounds.

- 4.) Unpleasant sound: The sounds which are not pleasant to our ears are known as unpleasant sounds.

For example: Sounds produced by machines. Such sounds cause headache and nausea.



Pleasant
sound



Machine
Unpleasant
sound

- 5.) Shrill sound $\rightarrow$ The sound having higher frequency is known as shrill sound.
- For example: Sounds of ghongroos.

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Shuffling
sound



Drum
Flat sound

6.) Flat sound:- The sound having lesser frequency is known as flat sound. For example: drums.

Now, children let us understand what are warning sounds?

Certain particular sounds are used as a signal to inform about an event, disaster or warning sign. Such sounds are known as warning sounds.

For example:-

- 1.) Fire alarm made by fire brigades.
- 2.) Evacuate building: Made to inform people to evacuate their residence.
- 3.) Ambulance siren: Made by ambulance.

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in case of emergency.

- 4.) Tornado warning siren: To warn about incoming of a tornado.

These loud sounds are produced to grab the attention of the people.

Before ending up today's interactive session, let us recapitulate the topic by answering the following questions / blanks.

- 1.) Musical sounds _____ our mind and body.
- 2.) Rockets produce _____ sound.
- 3.) The sound having lower frequency is known as _____.
- 4.) The sounds of machines are _____ and _____.

Answers:

- 1.) refresh 2.) loud. 3.) flat 4.) loud and unpleasant.

Thank you Children!

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