

Class V Ch: 8 SOUND AND NOISE. General Science

Q 85 (A) Tick (✓) the correct answer.

1. Which of the following is a sound produced by non-living man-made thing?
(b) Tick-tick sound of a clock
2. A soft and pleasant sound makes us
(a) happy.
3. A loud and unpleasant sound is called
(b) noise
4. We should say no to
(c) crackers.

(B) Define.

1. Musical sound: Musical sound is a pleasant, continuous and uniform sound produced by regular and periodic vibrations. eg: sound produced by a violin, flute, tuning fork etc.
2. Noise pollution: When excessive and irritating levels of noise cause health problems, it is known as noise pollution.

(C) Fill in the blanks

1. We cannot see sound but we can hear it.
2. Some sounds are pleasant while some are unpleasant.
3. Noise irritates us.
4. Noise can damage our ears.
5. We should play music system and television at a low volume.

Q1. Answer the following questions.

1. Give a few examples of the sounds produced by non-living and living things.

Ans. Sounds produced by nonliving things are as follows:-
clock - 'tick tick'; Piano - 'Musical sound'; Whistle - 'Whistle'
Tea kettle - 'Rattling'; Cooker - 'Whistling'; Call bell - 'Dingling'
Whereas, sounds produced by human beings are ~~also~~
~~Sounds produced~~ when they talk, speak, laugh and
shout, also they produce sounds when they sneeze,
sing, clap, cough and cry. The chirping of sparrows,
barking of dogs, roar of a tiger etc are some of
the examples of sounds produced by birds and
animals.

Q2. What is the difference between pleasant and unpleasant sounds?

Ans. The difference between pleasant and unpleasant sounds are as follows:-

Pleasant sounds	Unpleasant sounds.
1. They are the sounds that make us feel happy and comfortable	1. They are the sounds that make us feel uneasy.
2. They evoke a pleasant sensation	2. They evoke un-pleasant sensation.
For eg:- Chirping of birds, music and crackling children's laughter.	For eg:- drilling and honking in traffic.

Q 3 Name four sources of pleasant sounds.

Ans. The four sources of pleasant sounds are :-

(i) Birds (chirping)

(ii) Bees (buzzing)

(iii) Musical instruments (Guitar, Flute etc)

(iv) Human beings. (singing, laughter etc)

Q 4. What are warning sounds? Give examples.

Ans. Sounds to warn people of a danger or an emergency are warning sounds. The warning sound is produced by a siren. The siren is used on emergency service vehicles such as ambulance, police cars, fire engines etc.

Q 5 Discuss the ways to reduce noise pollution.

Ans. The ways to reduce noise pollution are :-

1. One should not play loud music as it hurts ears.
2. Students must not bang desks and chairs and not shout unnecessarily in the class as it causes noise pollution.
3. One should not burn firecrackers as they produce loud and unpleasant sound.
4. Proper maintenance of motors, machines and vehicles should be carried out for better performance as they produce loud noise when not maintained properly.

F Understand and Answer :-

Give reasons :-

1. Noise pollution is harmful for our health :-

Ans. Loud noise can cause hearing impairments or permanent loss of hearing. It disturbs sleep and concentration and results in dizziness, headaches and hypertension.

So, noise pollution is harmful for our health

2. Warning sounds are important :-

Ans

The warning sound is produced by a siren which is used on emergency service vehicles such as ambulances, police cars, fire engines etc. All these emergency vehicles produce warning sounds to alert people and other vehicles to indicate an emergency and also to give way to these emergency service vehicles.