



PHYSICS

NCERT - NCERT Physics(Hinglish)

SOUND

Questions

1. Sound can travel through

A. gases only

B. solids only

C. liquids only

D. solids, liquids and gases.

Answer: D



Watch Video Solution

2. Which of the following voices is likely to have minimum frequency?

A. Baby girl

B. Baby boy

C. A man

D. A woman

Answer: C



Watch Video Solution

3. In the statement, tick 'T' against those which are true, and 'F' against those which are false.

Sound cannot travel in vacuum.

A. True

B. False

C. May be

D. Depends on situation

Answer: A



Watch Video Solution

4. In the statement, tick 'T' against those which are true, and 'F' against those which are false.

The number of oscillations per second of a vibrating object is called its time period. (T/F)



Watch Video Solution

5. In the statement, tick 'T' against those which are true, and 'F' against those which are false.

If the amplitude of vibration is large, sound is feeble. (T/F)



Watch Video Solution

6. In the statement, tick 'T' against those which are true, and 'F' against those which are false.

For human ears, the audible range is 20 Hz to 20,000 Hz. (T/F)



[Watch Video Solution](#)

7. In the statement, tick 'T' against those which are true, and 'F' against those which are false.

The lower the frequency of vibration, the higher is the pitch. (T/F)





[Watch Video Solution](#)

8. In the statement, tick 'T' against those which are true, and 'F' against those which are false.

(T/F) Unwanted or unpleasant sound is termed as music. (T/F)



[Watch Video Solution](#)

9. In the statement, tick 'T' against those which are true, and 'F' against those which are false.

Noise pollution may cause partial hearing impairment. (T/F)



[Watch Video Solution](#)

10. Fill in the blanks with suitable word

Time taken by an object to complete one oscillation is called _____



[Watch Video Solution](#)

11. Fill in the blanks with suitable word

Loudness is determined by the _____ of vibration.



Watch Video Solution

12. Fill in the blanks with suitable word

The unit of frequency is _____



Watch Video Solution

13. Fill in the blanks with suitable word

Unwanted sound is called _____



Watch Video Solution

14. Fill in the blanks with suitable word

Shrillness of a sound is determined by
the _____ of vibration.



Watch Video Solution

15. A pendulum oscillates 40 times in 4 seconds. Find its time period and frequency.



Watch Video Solution

16. The sound from a mosquito is produced when it vibrates its wings at an average rate of 500 vibrations per second. What is the time period of the vibration?



Watch Video Solution

17. Identify the part which vibrates to produce sound in the instruments.

Dholak



Watch Video Solution

18. Identify the part which vibrates to produce sound in the instruments.

Sitar



Watch Video Solution

19. Identify the part which vibrates to produce sound in the instruments.

Flute



Watch Video Solution

20. What is the difference between noise and music? Can music become noise sometimes?



Watch Video Solution

21. List sources of noise pollution in your surroundings.



Watch Video Solution

22. Explain in what way noise pollution is harmful to humans.



Watch Video Solution

23. Your parents are going to buy a house. They have been offered one on the roadside and another three lanes away from the roadside. Which house would you suggest your parents should buy? Explain your answer.



Watch Video Solution

24. Sketch larynx and explain its function in your own words.



Watch Video Solution

25. Answer the following question giving explanations wherever necessary.

Lightning and thunder take place in sky and at the same distance from us. Explain why lightning is seen earlier and thunder is heard later.



Watch Video Solution