

SOUND

Q1: What is sound?

Answer: Sound is a sequence of waves of pressure that propagates through compressible media such as air or water. Sound is produced by vibrating objects

Q2: Sound can travel through

Solid and gas

Gas and liquid

All of the above

None of these

Answer: All of the above

Q3: Sound can travel in vacuum.

Answer: no

Q4: Sound is produced by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ objects

Answer: Vibrating.

Q5: What is noise.

Answer: Unpleasant/unwanted sounds are called noise.

Q6: What is frequency

Answer: The number of oscillations per second is called as frequency of oscillation.

Q7: unit of frequency is?

Answer: Hertz

Q8: Excessive or unwanted sound is cause of\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Answer: Noise pollution.

Q9: What is the symbol of unit of frequency?

Answer: Hz.

Q10: Which are the two important properties of sound?

Answer: Amplitude and frequency.

Q11: What is oscillatory motion.

Answer: The to and fro motion of an object is known as oscillatory motion.

Q12: The frequency determines \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of sound

Vibration

Amplitude

Shrillness

Oscillation

Answer: shrillness

Q13: On which factor the loudness of the sound depends upon.

Answer: Amplitude of sound

Q14: What is audible sound?

Answer: Range of sound between frequencies 20 to 20,000 Hz is called audible sound.

Q15: What is non-audible sound?

Answer: Range of sound less than 20 Hz and more than 20,000 Hz is called in audible sound.

Q16: Why noise pollution is so harmful for us?

Answer: Because It can cause health related problems like hypertension, lack of sleep, anxiety etc.

Q17: which of the following will have low frequency of voice?

Baby boy

Baby girl

A Woman

A man

Answer: A baby boy

Q18: lower the frequency of vibration the higher the pitch. Yes/no

Answer: No

Q19: Shrillness of the sound is determined by the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of vibration.

Answer: frequency

Q20: Unwanted or unpleasant sound is termed as music. yes/ no

Answer: No

Q21: following examples are a music or noise:

Sound of table

Sound of vehicle

Sound of a loud speaker

Answer: Sound of tabla: Music

Sound of vehicle: Noise

Sound of a loud speaker: Noise

Q22: What is range of audible sound?

Answer: 20 to 20,000 Hz

Q23: What is range of in audible sound?

Answer: sound less than 20 Hz and more than 20,000 Hz.

By installing silencing device in transport vehicles, also use of automobiles horns should be minimised for this purpose.’

Q24: How noise made by industrial machines be minimized?

Answer: By installing silencing device.

Q25: which health disorders are caused by noise pollution.

Answer: Hypertension, lack of sleep, anxiety etc.

Q26: What is hearing impairment?

Answer: hearing loss that prevents a person from totally receiving sounds through the ear.

Q27: In human beings sound vibration make the \_\_\_\_\_\_\_\_\_\_ vibrate.

Answer: Eardrum

Q28: Why we should never put a sharp, pointed thing into our ear?

Answer: because it may damage our eardrum.

Q29: Define vacuum.

Answer: Vacuum is the space that is totally empty of matter.

Q30: Give examples of some musical instruments.

Answer: Tabla, sitar, harmonium, flute etc.

Q31: importance of sound in our life is?

Answer: Sound helps us to communicate with one another.