

Name: _____ Date: _____

Sound

Q1. State True (T) or False (F).

- i. Sound cannot travel in vacuum. _____
- ii. The number of oscillations per second of a vibrating object is called its time period. _____
- iii. If the amplitude of vibration is large, sound is feeble. _____
- iv. For human ears, the audible range is 20 Hz to 20,000 Hz. _____
- v. The lower the frequency of vibration, the higher is the pitch. _____
- vi. Unwanted or unpleasant sound is termed as music. _____
- vii. Noise pollution may cause partial hearing impairment. _____

Q2. Fill in the blanks.

- i. Time taken by an object to complete one oscillation is called _____.
- ii. Loudness is determined by the _____ of vibration.
- iii. The unit of frequency is _____.
- iv. Unwanted sound is called _____.
- v. Shrillness of a sound is determined by the _____ of vibration.
- vi. Higher the _____ of vibration, the higher is the _____, and shriller is the sound.
- vii. Sound which is pleasing to the ear is called _____ sound.

Q3. Name one animal which can hear ultrasonic sounds.

Ans. _____

Q4. How is sound produced?

Ans. _____

Q5. How does an object produce sound?

Ans. _____

Sound

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- i. Sound cannot travel in vacuum. **T**
- ii. The number of oscillations per second of a vibrating object is called its time period. **F**
- iii. If the amplitude of vibration is large, sound is feeble. **F**
- iv. For human ears, the audible range is 20 Hz to 20,000 Hz. **T**
- v. The lower the frequency of vibration, the higher is the pitch. **F**
- vi. Unwanted or unpleasant sound is termed as music. **F**
- vii. Noise pollution may cause partial hearing impairment. **T**

Q2. Fill in the blanks.

- i. Time taken by an object to complete one oscillation is called time period.
- ii. Loudness is determined by the amplitude of vibration.
- iii. The unit of frequency is hertz (Hz).
- iv. Unwanted sound is called noise.
- v. Shrillness of a sound is determined by the frequency of vibration.
- vi. Higher the frequency of vibration, the higher is the pitch, and shriller is the sound.
- vii. Sound which is pleasing to the ear is called musical sound.

Q3. Name one animal which can hear ultrasonic sounds.

Ans. Dogs

Q4. How is sound produced?

Ans. Sound is produced by vibrating objects.

Q5. How does an object produce sound?

Ans. Sound is produced when an objects vibrates.