

B.C.M SCHOOL BASANT AVENUE DUGRI ROAD LUDHIANA
CLASS – VIII SCIENCE
Assignment Answer key (Sound)

- 1.C
2. C
3. a- iii
b- ii
c- I
d-v
e- ii
4. Larynx

5. In humans sound is produced by the voice box or larynx. It is the upper part of the wind pipe. Two vocal cords are stretched across the voice box leaving a narrow slit. When the lungs force air through the slit, it vibrates and produces sound

6. Number of vibrations per second = 500

$$\begin{aligned}\text{Time period} &= \frac{\text{time}}{\text{number of vibration}} \\ &= \frac{1}{500} = 0.002 \text{ second}\end{aligned}$$

7. The speed of light is more than that of the speed of sound. Thus, due to more speed of light it reaches us before sound. So, lightning is seen earlier and thunder is heard later.