

Home Assignment

Date

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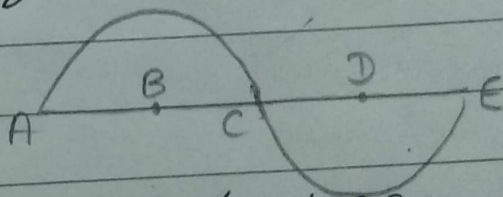
1. Note is a sound.
(c) of a single frequency

2. Sound travels in air if
(c) Disturbance moves

3. When we change feeble sound to loud sound
we increase its
(b) amplitude

4. In the curve (Fig 12.1) half the wavelength
is

(b) BD



5. Sound travels with a speed of about 330 m/s.
What is the wavelength of sound whose
frequency is 550 Hz

$$\text{Speed} = \text{Frequency} \times \text{Wavelength}$$

$$\Rightarrow \text{Wavelength} = \frac{330}{550}$$

$$= \frac{6}{10} = 0.6 \text{ m (Ans)} \left(\frac{3}{5}\right)$$

6. One hertz is equivalent to
(1) one cycle per second.