

SOUND

CLASS-IX

SUBJECT : PHYSICS
CHAPTER NUMBER: 12
CHAPTER NAME : SOUND

CHANGING YOUR TOMORROW

Home Assignment

1. Two tuning forks, A and B vibrate with frequencies in the ratio 2 : 7 and their wavelengths in the ratio 3 : 4 respectively.

Find the tuning fork producing greater velocity of sound.

- (1) Tuning fork A (2) Tuning fork B
(3) Both produce sound of same velocity (4) Can't say

The tuning fork A produces relatively

- (1) Shrill sound than tuning fork B (2) Flat sound than tuning fork B
(3) Louder sound than tuning fork B (4) Sound of more wavelength than that of tuning fork B.

2. State two practical uses or applications of echoes.

3. Give reasons for the following :

- (a) The reverberation time of a hall used for speeches should be a very short.
(b) A vibrating body produces sound. However no sound is heard when a simple pendulum oscillates in air.
(c) Sounds of same loudness and pitch but produced by different musical instruments like a violin and flute are distinguishable

THANKING YOU
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