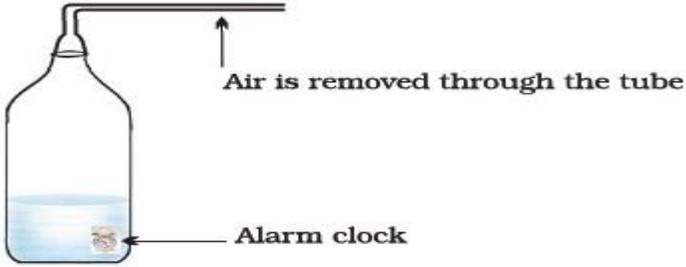




7.	<p><b>Complete the analogy</b></p> <p>i) Seismic waves : ..... :: dogs : ultrasonic</p> <p>ii) Loudness: decibel :: frequency : .....</p>
	<b><u>Two mark questions</u></b>
8.	<p>Give reason:</p> <p>a) A tabla with tight membrane has higher pitch than a tabla with a loose membrane.</p> <p>b) Lightning is seen earlier and thunder is heard later.</p>
9.	An explosion occurs on the moon. Will it be heard on earth instantly? Give reason.
10.	Differentiate between infra sonic and ultra sonic sound.
11.	How does loudness depend on amplitude? If the amplitude is increased by three times, by how much does the loudness increase?
12.	<p>An alarm is kept inside a vessel as shown below. A person standing close to it can distinctly hear the sound of alarm. Now if the air inside the vessel is removed completely, how will the loudness of alarm get affected for the same person?</p> 
13.	The string of a violin A vibrates 12 times in 4 seconds while string of violin B vibrates 18 times in 6 seconds. Compare the frequencies of both.
14.	Explain in brief, how sound is produced by humans?
	<b><u>Three mark questions</u></b>
15.	Which property of vibrations determines the pitch of a sound? Explain with the help of an example.
16.	What do you mean by noise pollution? Suggest any four methods to reduce noise pollution in your locality.
17.	How can you prove that the sound does not travel through vacuum?
18.	Amith watched the policemen form a cordon around the farm land. they let the police dogs loose in the farm area. Amith then noticed that they were blowing whistles, but he could not hear anything. Can you explain this?

