

Physics - 10th Class Physics English Medium Chapter 11 Preparation

Q1. What is diaphragm?

Ans 1: the chest piece consists of a plastic disc called diaphragm in stethoscope.

Q2. Why the voice of women is shriller than that of men?

Ans 1: The frequency of the voice of ladies is higher than that of men. Therefore, the voice of ladies is shrill and of high pitch.

Q3. What are sources of noise pollution?

Ans 1: Transportation equipment, heavy machinery, loud vehicles horns and alarms are the source of noise pollution.

Q4. What is SONAR?

Ans 1: SONAR is "sound navigation and ranging". It is a technique used to estimate the distance of object from the ocean surface.

Q5. Difference between echo and reflection of sound?

Ans 1: the echo is formed through reflection but the reflection does not form echo. All sounds reflect back but it is not necessary that all reflections produce echo.

Q6. Why sound waves are called mechanical waves?

Ans 1: Sound waves are called mechanical waves because they require material medium for their propagation.

Q7. Define intensity and its unit.

Ans 1: Sound energy passing per second through a unit area held perpendicular to the direction of propagation of sound waves is called intensity of sound.

Q8. Define wavelength of sound wave.

Ans 1: Distance between two consecutive compressions or rarefactions is called the wavelength of sound wave.

Q9. Which instrument is used to see the sound waves?

Ans 1: By using an "Oscilloscope" we can see sound waves.

Q10. On what factors pitch depends.

Ans 1: It depends upon the frequency. A higher pitch means higher frequency and vice versa.
