

COMD1112

Chaochao Lin

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Professor Trofimova

- ❖ How sound is made/produced
 - Sounds are made when objects vibrate, which is the movement going back and forth.
- ❖ Amplitude
 - Amplitude is the maximum displacement or distance moved by a point on a vibrating body or wave measured from its equilibrium position.
- ❖ Period
 - The period is the time it takes for one cycle of vibration one time.
- ❖ Frequency
 - Frequency is the number of waves that pass a fixed place in a given amount of time
- ❖ Wavelength
 - Wavelength is the distance between two consecutive waves on corresponding points.
- ❖ Speed of sound
 - Speed of sound is the distance traveled per unit time by a sound wave the speed of sound in air is 343 meters per second or a kilometer in 2.9 s or a mile in 4.7 s.
- ❖ What affects the speed of sound
 - It can be affected by temperature, pressure, humidity and gas mixture in air, and affects by density and viscosity in water(liquid).
- ❖ Hertz
 - Hertz is the SI unit of frequency.
- ❖ What is medium
 - Medium is the substance that carries a wave.