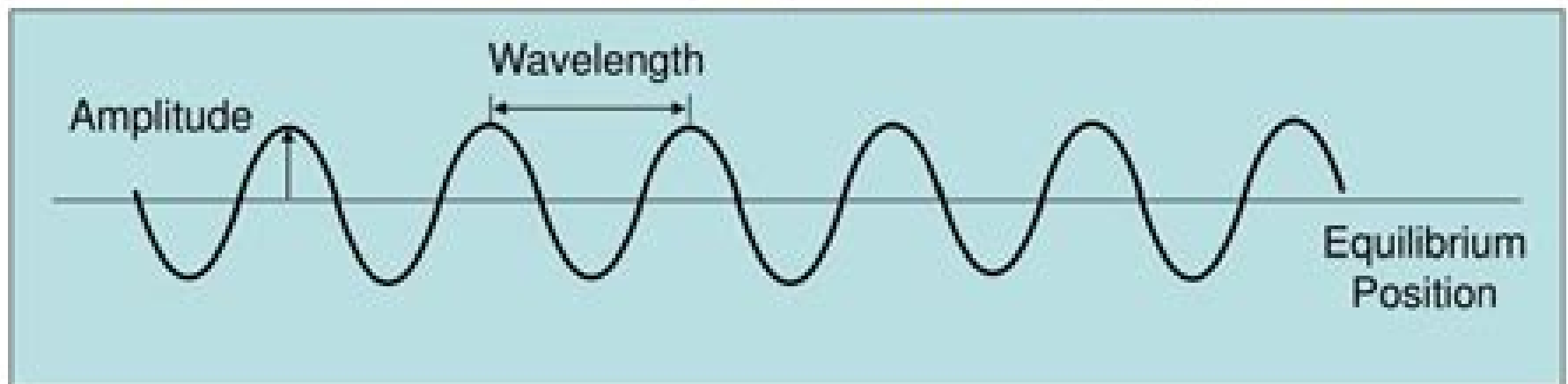


Properties of Waves

- **Amplitude** – Maximum displacement from equilibrium
- **Period** – Time to complete one cycle (wavelength) of motion. Represented by T ; Units of sec.
- **Frequency** – Number of cycles (wavelengths) per unit time. Represented by f ; Units of Hz or sec^{-1} kHz (AM radio station), MHz (FM radio station), GHz (radar, microwaves), etc..
- **Wavelength** – Distance between two adjacent corresponding points on a wave (e.g., crests, troughs, etc.). Represented by lambda, λ ; Units of length (m, ft, etc.)

Note: Period = $1 / \text{Frequency}$ and Frequency = $1 / \text{Period}$



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