

Wave motion

Characteristics of wave motion → (iv) The

velocity of wave motion through a particular medium is constant and is based only on the nature of the medium and it does not depend on the frequency, wavelength or intensity. Energy propagates with wave motion without any net transport through the medium.

(v) It has a continuous phase difference between successive particles of the medium which means particle 2 starts vibrating slightly later compared to particle 1 and so on.

(vi) The velocity of the wave particle varies at different positions during ~~vibration~~ vibration.