

Waves in Media

Wave Motion :- Wave motion is a form of disturbance which travels through a medium due to the repeated periodic motion of the particles of the medium about their mean positions, the being handed on from one particle to the next particle of the medium.

For Example :- A stone is dropped into a calm pond containing water. Then waves are produced at the point where the stone strikes up and down about their mean positions. The waves travel outward, the particles of water vibrate only up and down about their mean positions. In all the waves, the particles of the medium vibrate about their mean positions that means in case of wave motion, it is not matter that is propagated but it is only state of motion of the matter that is propagated from one point to the other point in the medium.