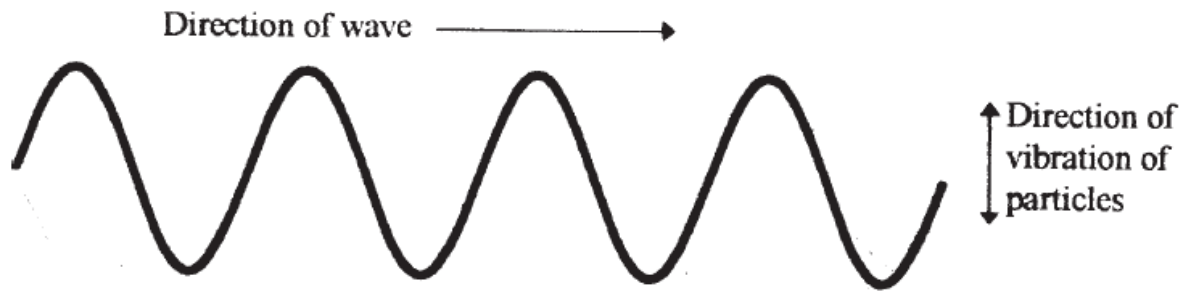


Transverse and Longitudinal Waves

TRANSVERSE WAVES

A **transverse wave** is one in which the particles making up the wave vibrate at 90° to the direction of the wave.

Examples of transverse waves are water waves, light, gamma rays, X-rays and all members of the electromagnetic spectrum.



LONGITUDINAL WAVE

A **longitudinal wave's** particles vibrate along the same line as the direction of the wave.

Sound travels as a longitudinal wave.



Longitudinal wave

Source moves
left and right

Coils move
left and right



Transverse Wave

Source moves
up and down

Coils move
up and down

