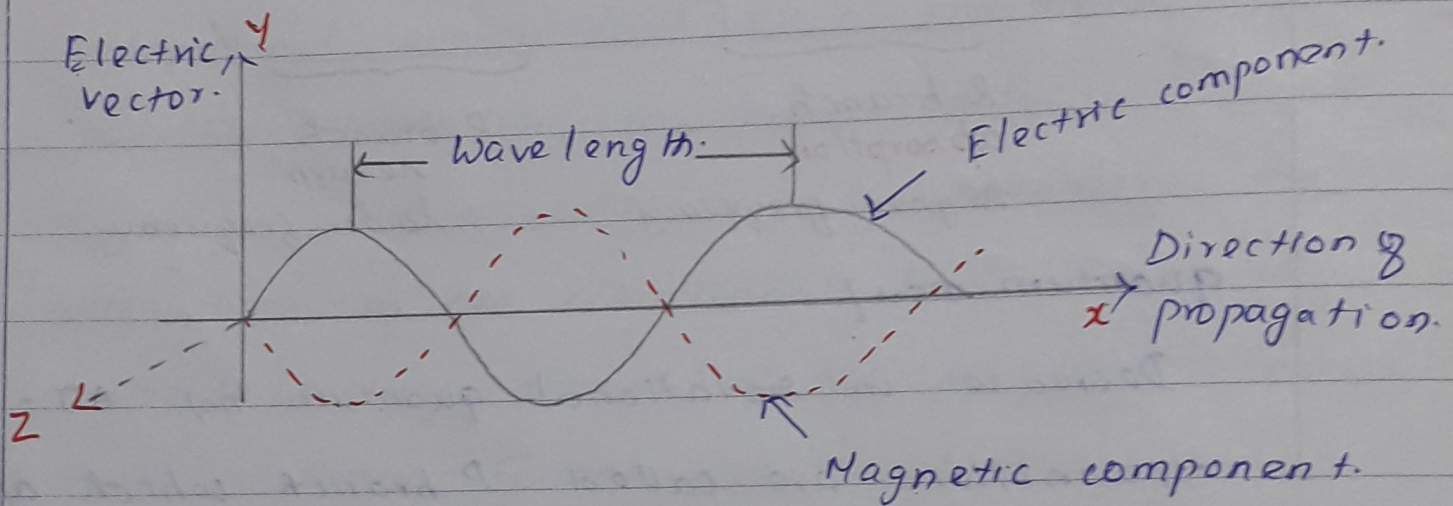


An electromagnetic wave is an alternating electrical & associated magnetic force in space. Thus, an electromagnetic wave has an electric component and a magnetic component. The two components oscillate in planes perpendicular to each other and perpendicular to the direction of propagation of radiation.



### Representation of an electromagnetic wave.

An electromagnetic wave is characterised by wavelength, frequency and wave no/.

### Particle properties of EMR:

In order to explain the phenomenon of photo electric effect etc., it is assumed that the EMR consists of a discrete particles