





the 19th century led to the discovery that light waves were in fact electromagnetic radiation.

Different theories of light:

To explain the nature of light, till now four theories have been discovered. The four theories that have been put forward by the Scientist till now as follows:

- Corpuscular or Emission theory
- 2) Wave theory
- 3) Electromagnetic theory
- 4) Quantum theory

Corpuscular Theory or Emission Theory: In 1672 Sir Issac Newton put forward this theory. According to this theory, Imminous body continuously emits tiny weightless corpuscles or particles in all directions with a tremendous velocity and when these particles fall on I eye they produce the sensation of vision. The rectilinear propagation, reflection and refraction of light can be explained. But interference, diffraction, polarization, dispersion, photoelectric effect etc. cannot be explained. According to this theory, the velocity of light in denser medium is more than that of rarer medium.

Wave Theory: According to this theory, light travels through a hypothetical medium called that of rarer medium.

Wave Theory: According to this theory, light travels through a hypothetical medium called



