

Chemistry 2720 Fall 2003 Quiz 6 Solutions

Photon: A photon is a particle of light.

Light intensity: In the photon hypothesis, an increased light intensity corresponds to an increased number of photons per unit time, either produced by a source or observed at a detector.

Radiation pressure: Photons have momentum. When a photon is reflected from a surface, the surface must experience a force. If we divide the force exerted by the reflected photons by the area over which this force is applied, we get a pressure due to the radiation.