dose

The energy or amount of photons absorbed per unit area or unit volume by an irradiated object during a particular exposure time.

In medicine and in some other research areas (e.g. photopolymerization and water handling through irradiation) dose is used in the sense of *fluence*, i.e. the energy or amount of photons per unit area or unit volume received by an irradiated object during a particular exposure time. The SI units are $J\ m^{-2}$ or $J\ m^{-3}$ and $mol\ m^{-2}$ or $mol\ m^{-3}$, respectively.

For special purposes it must be appropriately qualified, e.g. absorbed, maximum permissible, mean lethal.

See also *UV dose, absorbed dose, dose equivalent.*

1996, *68*, 2237; O.B. 220; 1996, *68*, 970