11. PHOTON AND ELECTRON ATTENUATION

Photon Attenuation Length

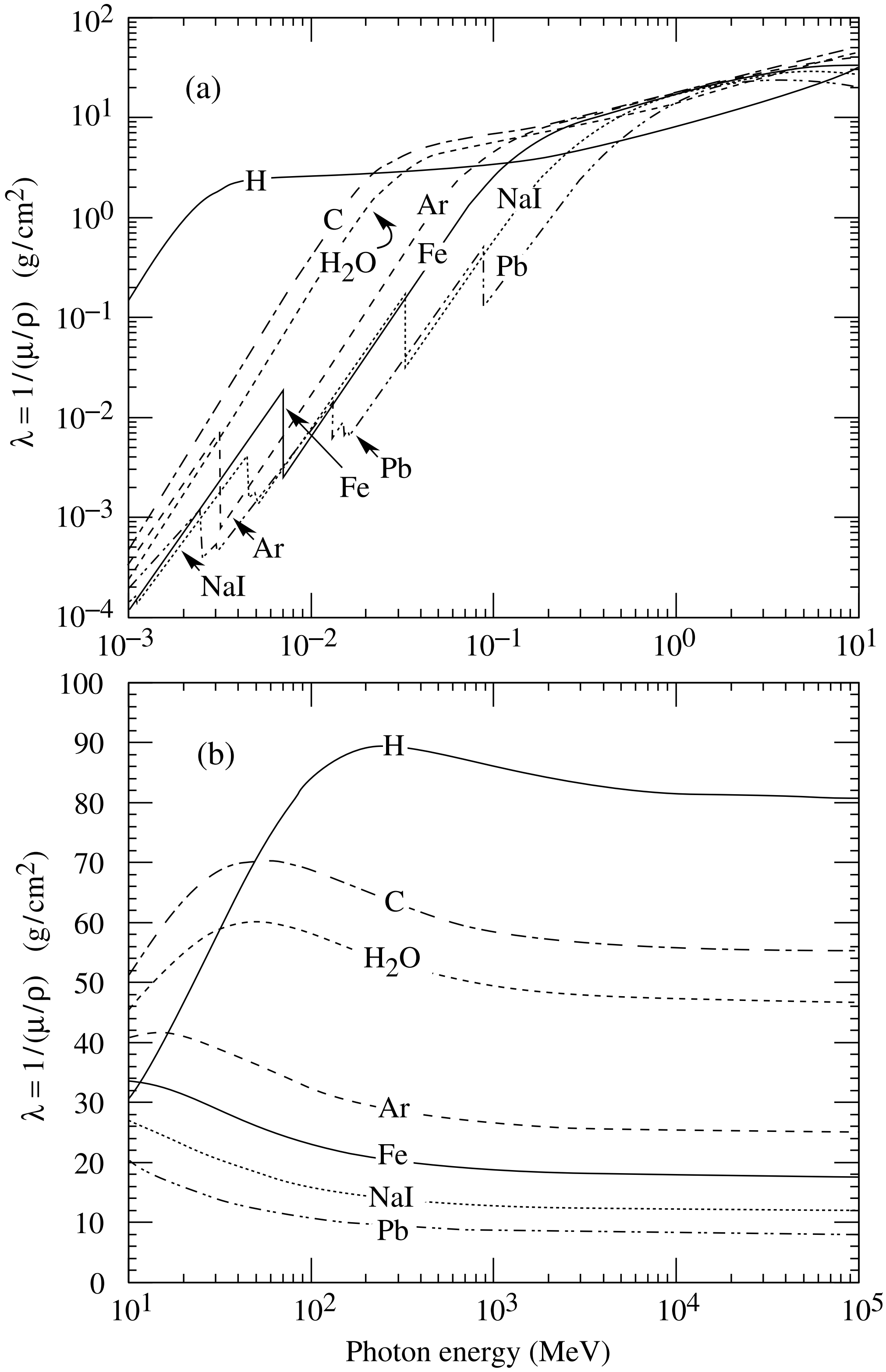

Figure 11.1: The photon mass attenuation length $\lambda = 1/(\mu/\rho)$ (also known as mfp, mean free path) for various absorbers as a function of photon energy, where μ is the mass attenuation coefficient. For a homogeneous medium of density ρ, the intensity I remaining after traversal of thickness t is given by the expression $I = I_0 \exp(-t\rho/\lambda)$. See the full *Review of Particle Properties* for further details.