

26 The photoelectric effect equation can be written as $hf = hf_0 + \frac{1}{2}mv_{\text{max}}^2$.

What is the meaning of each term in this equation?

	hf	hf_0	$\frac{1}{2}mv_{\text{max}}^2$
A	the energy of an incoming photon	the least energy required to release a photoelectron	the maximum kinetic energy of the photoelectron
B	the energy of an incoming photon	the threshold frequency which represents least energy required to release a photoelectron	the maximum kinetic energy of the photoelectron
C	the energy of an incoming photoelectron	the least energy required to release a photon	the maximum kinetic energy of a photon
D	the energy of an incoming photon	the work done by the incoming photon	the maximum kinetic energy of the outgoing photon