

- 27** A photon of light has frequency f , momentum p , and speed c . The Planck constant is h .

Which expressions for the momentum and the energy of the photon are correct?

	momentum	energy
A	hf	pc
B	hf	$\frac{pc}{2}$
C	$\frac{hf}{c}$	pc
D	$\frac{hf}{c}$	$\frac{pc}{2}$

- 28** An electron in an atom transitions from -25.0 eV to -80.0 eV . A photon is emitted in the process.