

- 28** An electron in a hydrogen atom makes a transition from an energy level  $E_1$  to an energy level  $E_2$  and a photon is emitted.

What is the wavelength of the photon?

**A**  $\frac{h}{c} (E_1 - E_2)$

**B**  $\frac{h}{c (E_1 - E_2)}$

**C**  $hc (E_1 - E_2)$

**D**  $\frac{hc}{(E_1 - E_2)}$

