

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

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