29 Two beams of monochromatic light have the same frequency. One beam has a greater intensity than the other beam.

How can the greater intensity of one beam be explained in terms of the particulate nature of light?

A Each photon in the beam has more energy.

B Each photon in the beam has a greater speed.

C The amplitude of oscillation is greater.

D There are more photons passing through unit cross-sectional area of the beam per unit time.

30 The radioactive isotope caesium-137 decays to barium-137 by emitting a β^- particle.