

29 A positron and an electron, each of mass 9.11×10^{-31} kg moving with negligible kinetic energy, meet and annihilate each other, producing two gamma photons of the same frequency.

What is the energy of each of the two gamma photons produced?

- A** 5.5×10^{-22} J
- B** 4.1×10^{-14} J
- C** 8.2×10^{-14} J
- D** 1.6×10^{-13} J

30 During a particular fission process, a uranium-235 nucleus absorbs a slow-moving neutron.