28 Electrons are accelerated through a potential difference and produce similar diffraction patterns as a wave of wavelength 2.0 pm.

What is the kinetic energy of one of the electrons?

A 1.5×10^{-14} J

B 3.0×10^{-14} J

C 6.0×10^{-14} J

D 1.2×10^{-13} J

29 Which of the following nuclides will produce nuclide X by undergoing a series of decays to emit an