

- 29** The accelerating potential difference in an X-ray tube is 20 kV.

What is the shortest wavelength of the X-ray photon emitted from the X-ray tube?

A $1.6 \times 10^{-11} \text{ m}$

B $6.2 \times 10^{-11} \text{ m}$

C $1.6 \times 10^{-10} \text{ m}$

D $6.2 \times 10^{-10} \text{ m}$