

**28** The electric field strength at a certain distance from an isolated alpha particle is  $3.0 \times 10^7 \text{ NC}^{-1}$ .

What is the force on an electron when at that distance from the alpha particle?

- A**  $4.8 \times 10^{-12} \text{ N}$
- B**  $9.6 \times 10^{-12} \text{ N}$
- C**  $3.0 \times 10^7 \text{ N}$
- D**  $6.0 \times 10^7 \text{ N}$