

29 The electric field at a certain distance from an isolated alpha particle is $3.0 \times 10^7 \text{ N C}^{-1}$.

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** $6.0 \times 10^7 \text{ N}$

30 A cell is connected to a resistor.