

30 The diagram shows a pair of metal plates 4.0 mm apart connected to a 9.0 V battery.



What is the electric field between the plates?

- A** $4.4 \times 10^{-4} \text{ NC}^{-1}$
- B** $3.6 \times 10^{-2} \text{ NC}^{-1}$
- C** 36 NC^{-1}
- D** $2.3 \times 10^3 \text{ NC}^{-1}$