

- 19** A pair of large horizontal conducting plates are separated by 4.0 mm. The lower plate is at a potential of  $-6.0$  V. An electric field strength of  $4000 \text{ V m}^{-1}$  upwards exists in the space between the plates.

What is the potential applied to the upper plate?

- A**  $-22 \text{ V}$                       **B**  $-10 \text{ V}$                       **C**  $10 \text{ V}$                       **D**  $22 \text{ V}$

