

- 32** Two large horizontal metal plates are separated by 4 mm. The lower plate is at a potential of -80 V .



Which potential should be applied to the upper plate to create an electric field of strength $60\,000\text{ V m}^{-1}$ upwards in the space between the plates?

- A** -320 V
- B** -160 V
- C** $+160\text{ V}$
- D** $+320\text{ V}$