

31 A particle has a charge of $+2.0\text{ mC}$ and is in a vertical uniform electric field. An electric force of $1.0 \times 10^{-2}\text{ N}$ acts upwards on the particle.

What is the electric field strength?

- A** 0.20 V m^{-1} downwards
- B** 0.20 V m^{-1} upwards
- C** 5.0 V m^{-1} downwards
- D** 5.0 V m^{-1} upwards