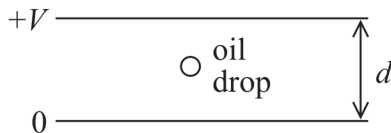


- 6 An oil drop with charge q and mass m remains stationary between two metal plates with a potential difference V across them. The plates are separated by distance d .



What is the charge on the oil drop?

- ☒ A $\frac{md}{V}$
- ☒ B $\frac{mV}{d}$
- ☒ C $\frac{mgd}{V}$
- ☒ D $\frac{mgV}{d}$

(Total for Question 6 = 1 mark)