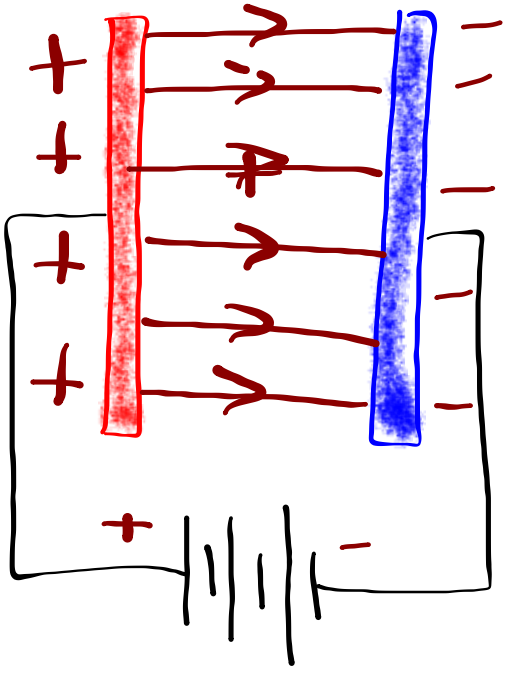
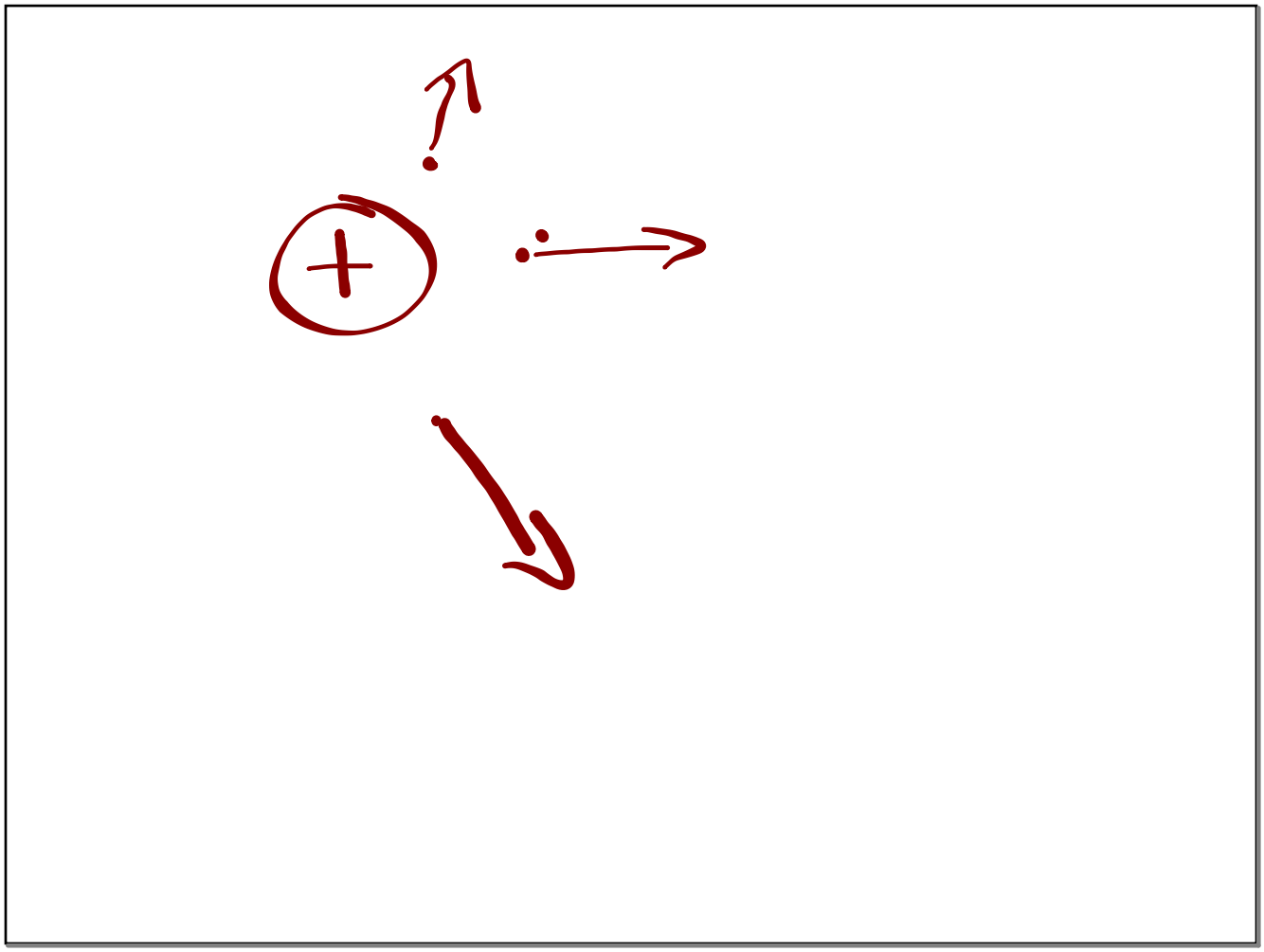


-42 µC

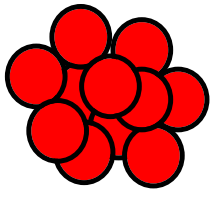
3µN, LEFT
F=Eq

.07 $\frac{N}{C}$, RIGHT

18 µC



100nm
100×10^{-9}



20 protons

$1.6 \times 10^{-19} C$

$Q = 32 \times 10^{-19} C$

x →

$r = 100 \times 10^{-9} m$

1 electron

$$E = \frac{kQ}{r^2}$$

$2.88 \times 10^{6} \frac{N}{C}$, RIGHT

e^-

$4.6 \times 10^{-13} N$

LEFT