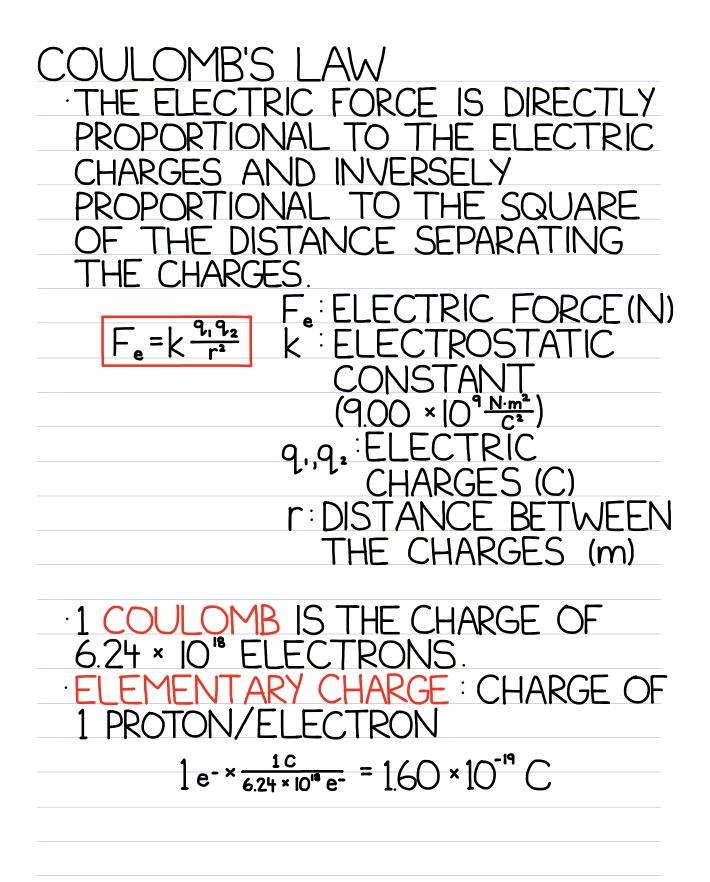
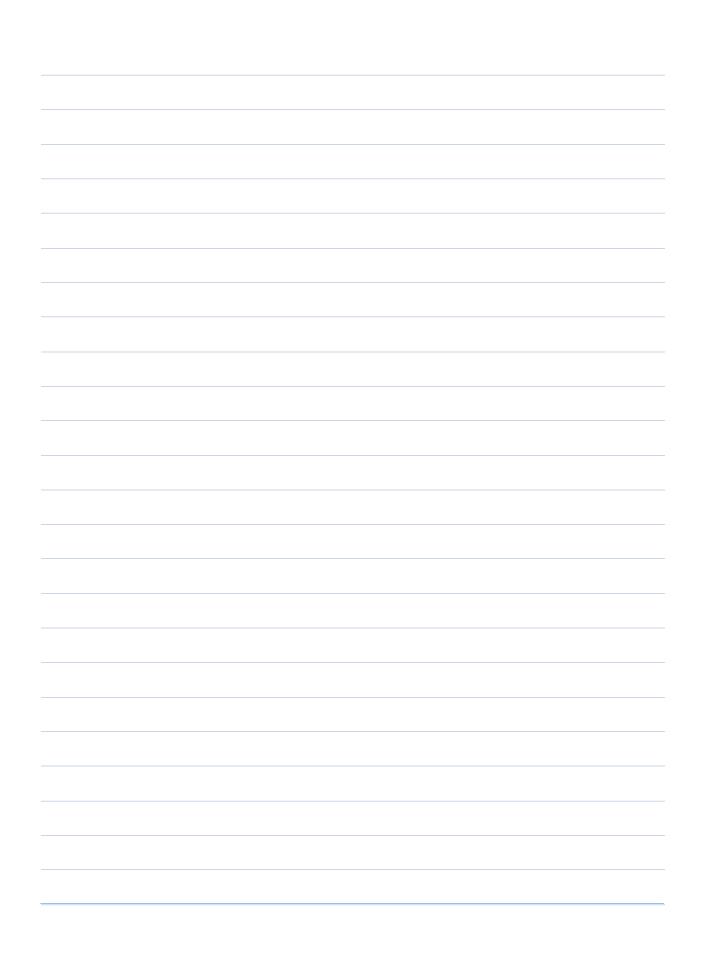


BASIC CONCFP TS THERE ARE TWO TYPES OF OSITIVE AND NEGATIVE. CHARGE: 2 OPPOS E CHARGES ATTRACT. RFPF CHARGES I IKF CALLY CHARGED OBJECTS 3 FIFCTR OBJECTS TRA FUIRA 4 F C CHARGE RESULTS FROM FC EMOVAL OR ADDITION OF R 5. EI _ECTRIC CHARGE IS CC 6. CONDUCTORS ALLOW CHARGE $|\cap$ FLOW; INSULATORS DO NOT.

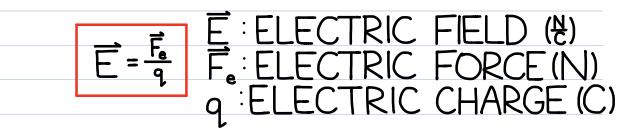


 $\langle A/$ $\gamma \downarrow$ HE ELECTRIC FORCE TRON AND A EC -DBY 5.29 × 10⁻"m? RAT - | TO THE THIS ⁻ \sim FORCE BETWEEN GRAVIT THEM. $m_e = 9.11 \times 10^{-31} \text{kg}$ $m_P = 1.67 \times 10^{-27} \text{kg}$

E NET ELECTRIC FORCE ON CHARGE ر، م م $q_{A} = + 4.0 \text{ nC}$ /60°\ 1 √60° 60 0.40 $q_{B} = -6.0 n($ q_c=+10.0 nC



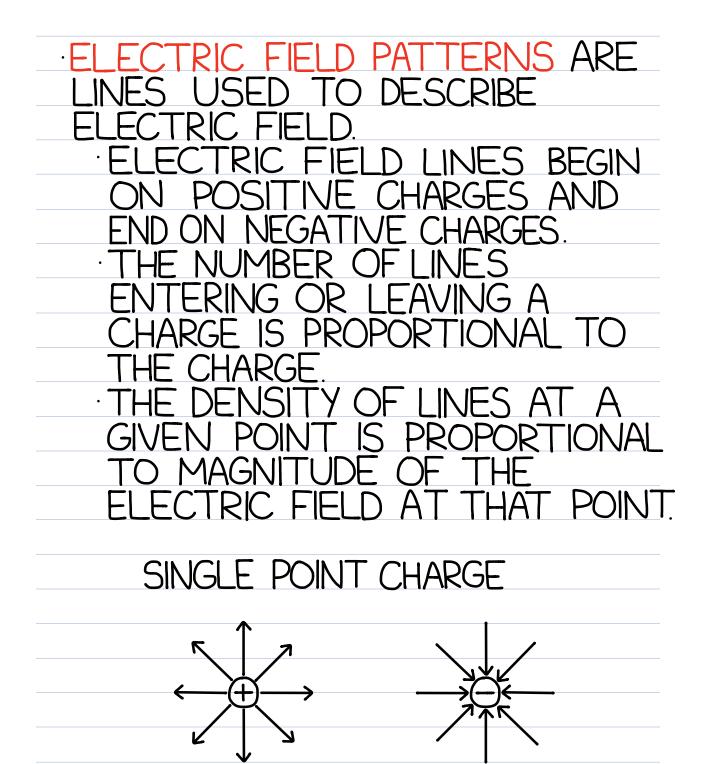
ELECTRIC FIELD THE ELECTRIC FIELD IS THE AREA AROUND A CHARGE WHERE ANOTHER CHARGE FEELS THE EFFECT OF THE FIRST. THE ELECTRIC FIELD IS EQUAL TO THE ELECTRIC FORCE PER UNIT CHARGE.

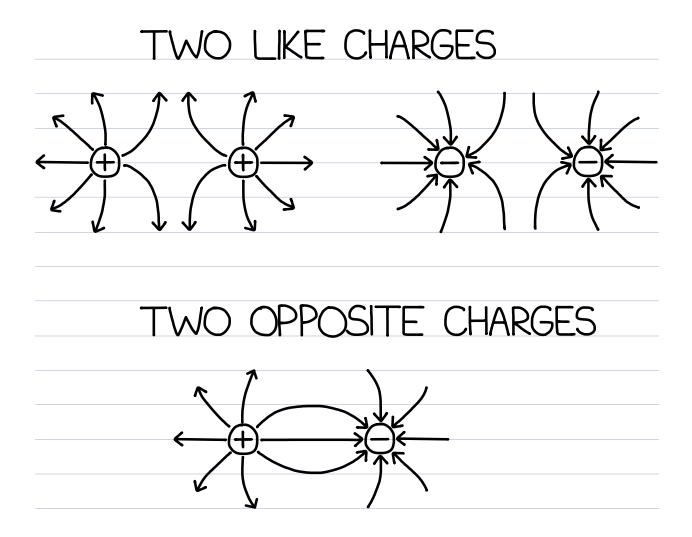


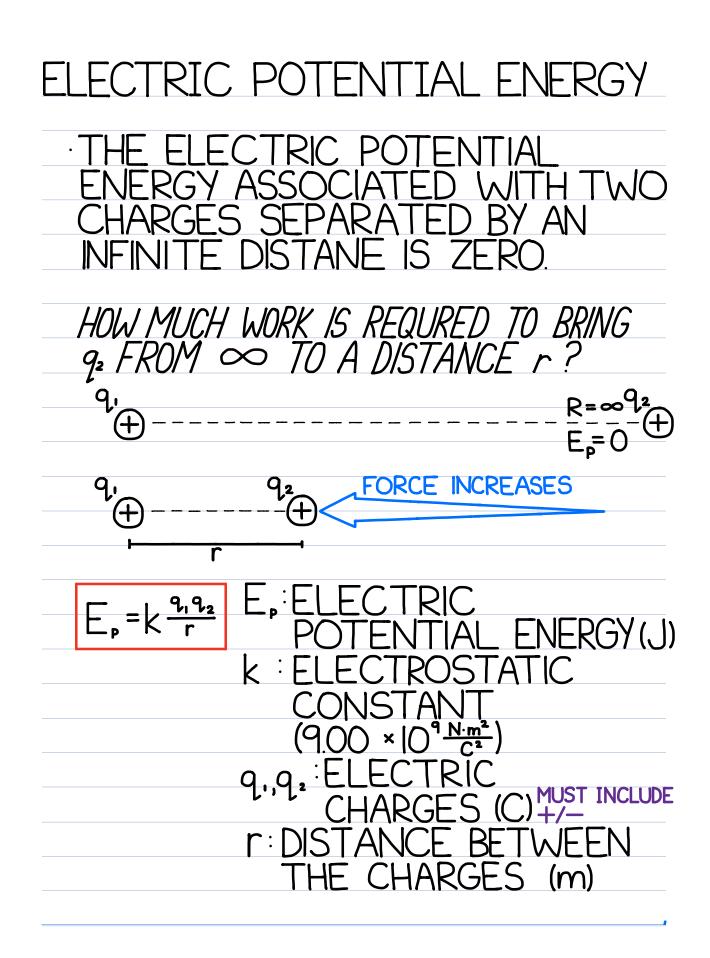
FOR A POINT CHARGE :

 $E=k\frac{P}{r^{2}}$ E : ELECTRIC FIELD ($\frac{k}{2}$) k : ELECTROSTATIC CONSTANT (9.00 × 10⁴ $\frac{N\cdot m^{2}}{C^{2}}$) q : ELECTRIC CHARGE (C) r : DISTANCE (m)

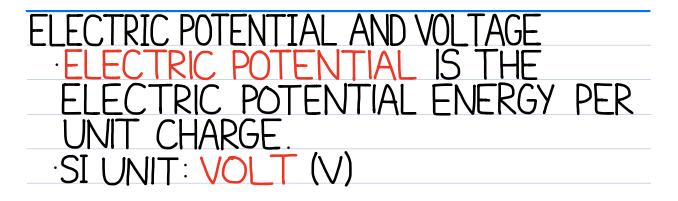
THE DIRECTION OF THE ELECTRIC FIELD IS THE DIRECTION IN WHICH A POSITIVE CHARGE WOULD MOVE.

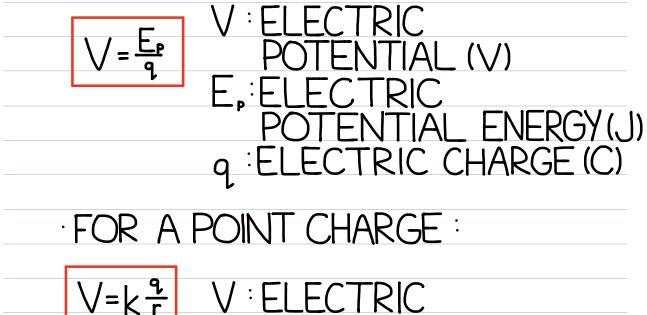






ΚΑΛ/ / F DTONS ARE INITIAI Y DISTANCE. ARG ----RУ)NE S RAN. 'EL TO COME |×10"⁵ m FROM 1F ΗE STANC -HER? | | $m_{\rm P} = 1.67 \times 10^{-27} \, \text{kg}$





V=KF V ELECTRIAL (V) k ELECTROSTATIC CONSTANT (9.00 × 10⁹ N·m²) q ELECTRIC CHARGE (C) r DISTANCE (m)

