

Work Done Moving Charges in an Electric Field

Calculate the work done by the electric field on a 5 C charge when it moves through a potential difference of 6 V.

Calculate the work done by an electric field on a 60 C charge when it is moved through a potential difference of 1.5 V

Calculate the work done by an electric field on an electron of charge 1.6×10^{-19} C when it is moved through a pd of 12 V

Calculate the work done by an electric field on an alpha particle which, has a charge of 3.2×10^{-19} C, when it moves through a pd of 12kV.

Calculate the energy transferred to an electron of charge 1.6×10^{-19} C when it is moved through a pd of 6kV

Calculate the energy gained by a proton of charge 1.6×10^{-19} C passing through a pd of 11kV.