

Electric PE

for point charges

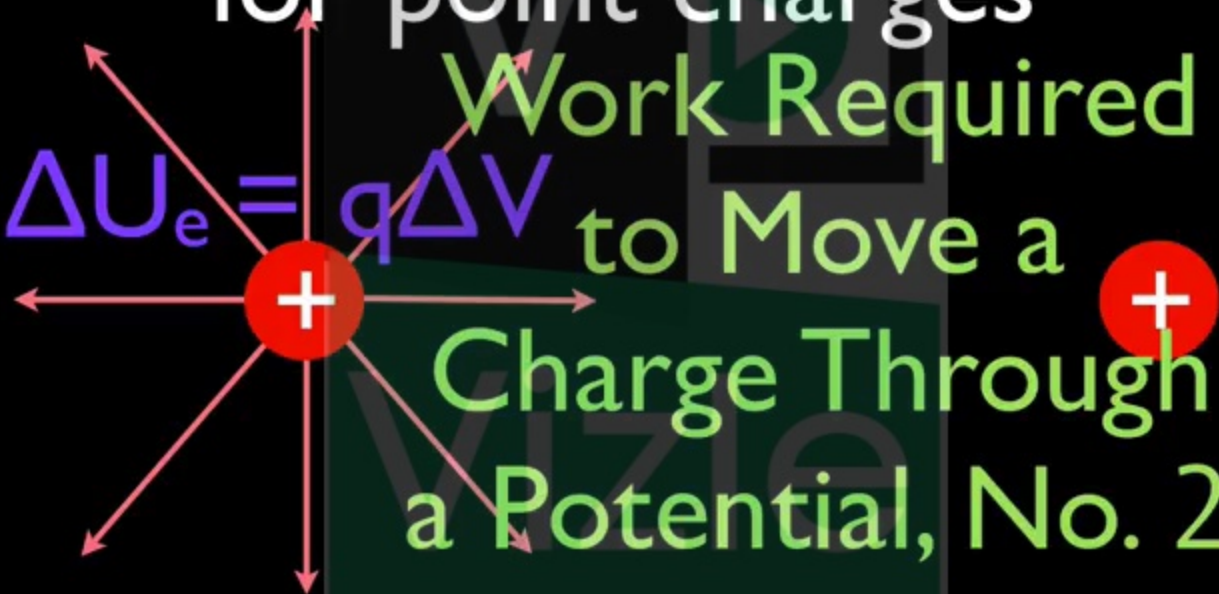
Work Required

$$\Delta U_e = q\Delta V$$

to Move a

Charge Through

a Potential, No. 2





<https://vizle.offnote.co>

Contact us: vizle@offnote.co

This document was generated automatically by **Vizle**

Your **Personal Video Reader Assistant**

Learn from Videos **Faster** and **Smarter**

VIZLE PRO / BIZ

PDF, PPT Watermarks

- Convert *entire* videos
- *Customize* to retain all essential content
- Include Spoken *Transcripts*
- Customer support

Visit <https://vizle.offnote.co/pricing> to learn more

VIZLE FREE PLAN

PDF only Watermarks

- Convert videos *partially*
- Slides may be *skipped**
- Usage restrictions
- No Customer support

Visit <https://vizle.offnote.co> to try free

Login to Vizle to unlock more slides*



How much work does an external force do when it moves a $+15\mu\text{C}$ charge from a point with a potential of $+115$ volts to a point where the potential is $+210$ volts?

$$W = \Delta U_e = q\Delta V$$

Vizle



How much work does an external force do when it moves a $+15\mu\text{C}$ charge from a point with a potential of $+115$ volts to a point where the potential is $+210$ volts?

$$W = \Delta U_e = q\Delta V$$

$$+ V +$$

$$W = (15 \times 10^{-6} \text{ C})(210 \text{ V} - 115 \text{ V})$$

$$W = (15 \times 10^{-6} \text{ C})(95 \text{ V})$$

$$W = 1.43 \times 10^{-3} \text{ J}$$



<https://vizle.offnote.co>

Contact us: vizle@offnote.co

This document was generated automatically by **Vizle**

Your **Personal Video Reader Assistant**

Learn from Videos **Faster** and **Smarter**

VIZLE PRO / BIZ

PDF, PPT Watermarks

- Convert *entire* videos
- *Customize* to retain all essential content
- Include Spoken *Transcripts*
- Customer support

Visit <https://vizle.offnote.co/pricing> to learn more

VIZLE FREE PLAN

PDF only Watermarks

- Convert videos *partially*
- Slides may be *skipped**
- Usage restrictions
- No Customer support

Visit <https://vizle.offnote.co> to try free

Login to Vizle to unlock more slides*