

1. Voltage is another term for _____. The definition is:
_____.
2. The unit for voltage is the _____, which is a _____ per _____.
3. If 340 J of work is done to move $1.5 \times 10^{-3} \text{ C}$ of charge from a positive plate to a negative one, what is the potential difference between the plates?
4. What work is done when 0.024 C of charge is raised in potential by 3.3 v?
5. A 6.0v battery does $3.2 \times 10^{-4} \text{ J}$ of work on an electric charge. What is the magnitude of the charge?
6. A PVC pipe is charged to 4600v, and the charge on the pipe is $3.2 \times 10^{-7} \text{ C}$. If you are shocked by the pipe, how much energy will be transferred to you?