

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?