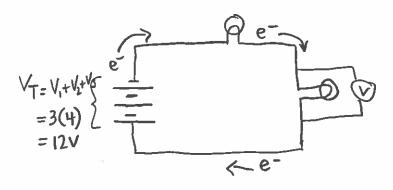
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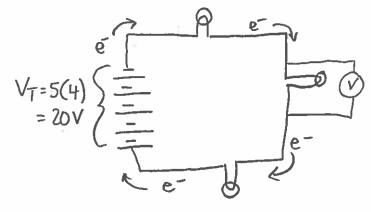
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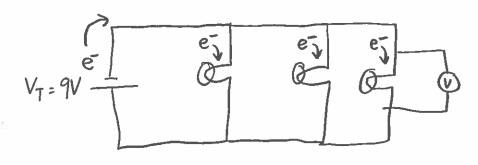
- Practice Drawing Series & Parallel Circuits
- A. Draw schematic diagrams of each of the following circuits described below.
- B. Assume each cell is 4 volts.
- C. Draw a Voltmeter across only one bulb. Indicate the voltage reading you would see on the voltmeter on that point. Hint: To calculate voltage, take the voltage and divide by the number of loads in series.
- 1. 3 cells in series with 2 bulbs that are also in series.



2. 5 cells in series with 2 bulbs that are also in series.



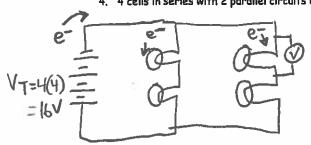
3. One 9 volt battery, with three bulbs in parallel.

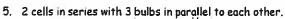


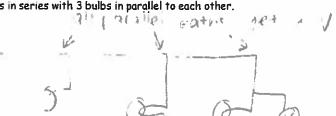
$$\frac{9V}{1 \text{ light}} = 9V$$

$$(parallel)$$

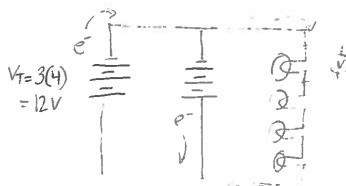
4. 4 cells in series with 2 parallel circuits containing 2 bulbs each.







6. 3 cells in series that ARE PARALLEL TO another 3 cells that are in series, ALL of which are PARALLEL to 4 bulbs.



7. 2 cells in parallel with 2 bulbs that are in series.



- 8. 3 cells in parallel with 2 bulbs that are parallel to each other.

9. 6 cells in series with 3 bulbs that are parallel to each other.