

Ohm's Law worksheet

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This worksheet covers the following concepts:

- Basic physics terms: *energy*, *work*, and *power*.
- Precise definitions of *voltage* and *current*.
- Using Ohm's Law to calculate voltage, current, and resistance.
- Plotting measured and calculated data on graphs.
- Relating electrical resistance to graphical plots.
- Using Ohm's/Joule's Laws to calculate power.
- Algebraic manipulation of Ohm's Law equations.
- Simple series and simple parallel resistor circuits.
- Short circuits.

Resources and methods for learning about these subjects (list a few here, in preparation for your research):