

Questions



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pencil lead resistance

1. Convert 400 micro Amps (μA) into Amps.
2. If the current through a wire is 250 micro Amps at a voltage of 9V what resistance is the wire?
3. Use a spreadsheet to record all my measurements and find the resistance for each current value. Plot resistance vs length for each lead type. Be careful with your units.
4. Describe how you could determine the type of pencil lead used to draw a line.
5. Have a look at the page on series and parallel resistors. Can you do that experiment using pencil lead on paper like in this experiment?