

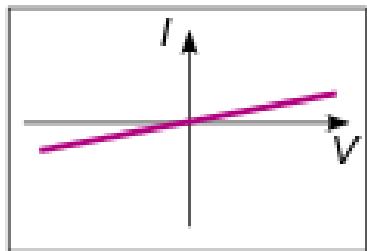
## Answer to Question #74044, Physics / Electric Circuits

What is the difference between ohmic conductor and non-ohmic conductor? Give one example each and draw their IV characteristic curves.

**Answer:**

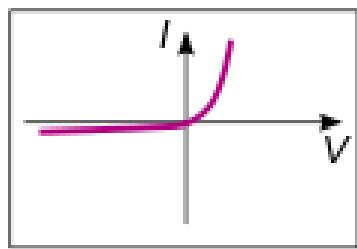
Ohmic conductor is a conductor that obeys ohm's law  $U = IR$ . IV characteristic of ohmic conductor is a straight line.

Example: resistor



Non-ohmic conductor is a conductor that does not obey ohm's law  $U = IR$ . IV characteristic of non-ohmic conductor is not a straight line.

Example: diode



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