Answer on Question #46805, Physics, Other

Question:

Ohm's law relates potential difference with?

power

Energy

current

time

Answer:

Ohm's law states that the current through a conductor between two points is directly proportional to the potential difference across the two points:

$$I = \frac{V}{R}$$

where I is the current through the conductor in units of amperes, V is the potential difference measured across the conductor in units of volts, and R is the resistance of the conductor in units of ohms.

Therefore Ohm's law relates potential difference with current.

Answer: current