

Name: _____
Blk: _____ Date: _____

Science 9 8.3 Resistance and Ohm's Law

Resistance is the property of any material that **slows down** the flow of electrons, and converts electrical energy into other forms.

Ohm's Law:

The greater the amount of resistance, the **lower the current**

$$\text{Resistance} = \text{Voltage} \div \text{Current}$$

Unit of resistance is the **ohm (Ω)**

Resistance can be measured in a circuit with an **ohmmeter**

Switch: turns circuit on or off

Circuit resistors are marked with **coloured bands** that allow you to determine the ohm value of the resistor.

