



CPO Science Making it real 16.3 Resistance High resistance Low resistance

- Resistance is the measure of how strongly an object resists current flowing through it.
- The relationship between electric current and resistance can be compared with water flowing from the open end of a bottle.









16.3 Ohm's Law

- The current in a circuit depends on voltage and resistance.
- Ohm's law relates current, voltage, and resistance with one formula.

Equation	Gives you	lf you know
1 = V/R	current (/)	voltage and resistance
V = IR	voltage (<i>V</i>)	current and resistance
R = V/I	resistance (<i>R</i>)	voltage and current







16.3 Conductors and insulators



cpo science

Name 20 items that require insulated wire to function...

- Both conductors and insulators are necessary materials in technology.
- For example, a wire has one or more conductors on the inside and an insulator on the outside.









