

!!! time in seconds!!! cross-multiply-divide to solve

Giant Index card.

E is for energy, unit is joules, symbol is J

Q is for charge, unit is coulomb, symbol is C

I is for current, unit is amperes, symbol is A

voltage
is energy
delivered/used
per charge (1c)

V is for voltage, unit is volts, symbol is V
[diff. of potential]

power is
energy
delivered/used
per second (1s)

P is for power = Energy delivered, unit is watt,
per second symbol is W

t is for time in seconds, unit is second,
symbol is s

R
decreases
I

R is for resistance, unit is Ohm, symbol is Ω

Formulas

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

$$P = \frac{E}{t}$$

$$P = V \times I$$

$$I = \frac{Q}{t}$$

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

$$V = \frac{E}{Q}$$

current = charge flowing
(inc) For 1 second/per second.

voltage = energy
For 1c (per
charge/coulomb)