Technician Question Pool
July 2022 to June 2026

The MORE Project

http://n2re.org/m-o-r-e-project

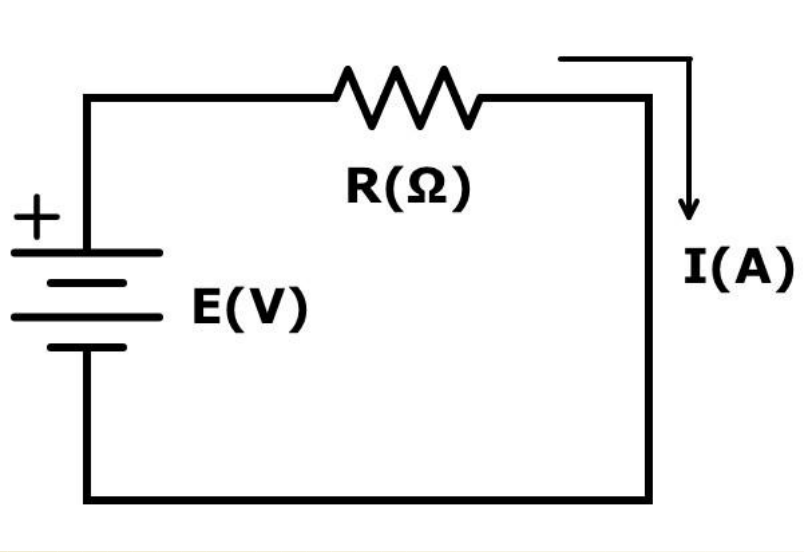
Electrical Principles
No-Nonsense pages 7 - 10

Units and Terms

Abbreviations:

Electromotive Force (E)
Current (I)
Resistance (R)
Volts (V)

A simple electric circuit:



T5A05

What is the electrical term for the force that causes electron flow?

A. Voltage
B. Ampere-hours
C. Capacitance
D. Inductance

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T5A03

What is the name for the flow of electrons in an electric circuit?

A. Voltage
B. Resistance
C. Capacitance
D. Current

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T5A01

Electrical current is measured in which of the following units?

A. Volts
B. Watts
C. Ohms
D. Amperes

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C. Ohms
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T5A09

Which of the following describes alternating current?

A. Current that alternates between a positive direction and zero
B. Current that alternates between a negative direction and zero
C. Current that alternates between positive and negative directions
D. All of these answers are correct

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C. Current that alternates between positive and negative directions
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T5A12

What describes the number of times per second that an alternating current makes a complete cycle?

A. Pulse rate
B. Speed
C. Wavelength
D. Frequency

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T5A06

What is the unit of frequency?

A. Hertz
B. Henry
C. Farad
D. Tesla

T5A06

What is the unit of frequency?

A. Hertz
B. Henry
C. Farad
D. Tesla

T5A04

What are the units of electrical resistance?

A. Siemens
B. Mhos
C. Ohms
D. Coulombs

T5A04

What are the units of electrical resistance?

A. Siemens
B. Mhos
C. Ohms
D. Coulombs

T5A11

What type of current flow is opposed by resistance?

A. Direct current
B. Alternating current
C. RF current
D. All these choices are correct

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T5A07

Why are metals generally good conductors of electricity?

A. They have relatively high density
B. They have many free electrons
C. They have many free protons
D. All of these choices are correct

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T5A08

Which of the following is a good electrical insulator?

A. Copper
B. Glass
C. Aluminum
D. Mercury

T5A08

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D. Mercury

A non-profit initiative by the IEEE and ARDC to increase the numbers of youth (12-18) and non-males in Amateur Radio. Participants earn FCC licenses and receive free 2-way radios.

For MORE information: n2re.org/m-o-r-e-project
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