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# Technician Question Pool

## July 2018 to June 2022

### The MORE Project

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

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# Electrical Principles

## No-Nonsense pages 4-6

### Units and Terms

Abbreviations:

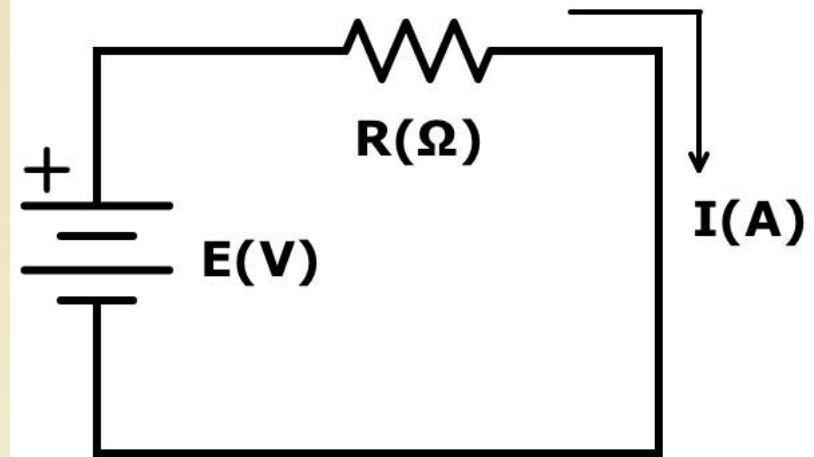
Electromotive Force (E)

Current (I)

Resistance (R)

Volts (V)

A simple electric circuit:



# T5A05

What is the electrical term for the electromotive force (EMF) that causes electron flow?

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



# T5A05

What is the electrical term for the electromotive force (EMF) that causes electron flow?

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# T5A11

What is the unit of electromotive force?

- A. The volt
- B. The watt
- C. The ampere
- D. The ohm



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# T5A11

What is the unit of electromotive force?

- A. The volt
- B. The watt
- C. The ampere
- D. The ohm



# T5A06

How much voltage does a mobile transceiver typically require?

- A. About 12 volts
- B. About 30 volts
- C. About 120 volts
- D. About 240 volts



# T5A06

How much voltage does a mobile transceiver typically require?

- A. About 12 volts
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- D. About 240 volts





# T5A01

Electrical current is measured in which of the following units?

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



# T5A01

Electrical current is measured in which of the following units?

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



# 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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# T5A03

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

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



# T5A04

What is the name for a current that flows only in one direction?

- A. Alternating current
- B. Direct current
- C. Normal current
- D. Smooth current



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# T5A04

What is the name for a current that flows only in one direction?

- A. Alternating current
- B. Direct current**
- C. Normal current
- D. Smooth current



# T5A09

What is the name for a current that reverses direction on a regular basis?

- A. Alternating current
- B. Direct current
- C. Circular current
- D. Vertical current



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# T5A09

What is the name for a current that reverses direction on a regular basis?

- A. Alternating current
- B. Direct current
- C. Circular current
- D. Vertical current





# 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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# 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**



# T5C05

What is the unit of frequency?

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



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# T5C05

What is the unit of frequency?

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



# T5A07

Which of the following is a good electrical conductor?

- A. Glass
- B. Wood
- C. Copper
- D. Rubber



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# T5A07

Which of the following is a good electrical conductor?

- A. Glass
- B. Wood
- C. Copper**
- D. Rubber



# T5A08

Which of the following is a good electrical insulator?

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



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# T5A08

Which of the following is a good electrical insulator?

- A. Copper
- B. Glass**
- C. Aluminum
- 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](http://n2re.org/m-o-r-e-project)  
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