

Voltage Quiz PDF

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In which situations is voltage critical for troubleshooting? (Select all that apply)

- Diagnosing electrical faults
- Calculating power consumption
- Design circuit layouts
- Painting a house

What are potential dangers of high voltage? (Select all that apply)

- Electric shock
- Fire hazards
- Overheating of devices
- Improved efficiency

Which symbol is commonly used to represent voltage in circuit diagrams?

- I
- V
- P
- R

Which of the following are potential sources of voltage? (Select all that apply)

- Solar panels
- Resistors
- Generators
- Battery

What is the standard unit of voltage?

- Ampere
- Volt

- Watt
- Ohm

Which of the following is a common source of voltage?

- Resistor
- Battery
- Inductor
- Capacitor

What happens to the voltage in a series circuit?

- It is multiplied by the number of components.
- It is divided among components.
- It remains constant.
- It is zero.

In a parallel circuit, how does voltage behave across components?

- It is divided among components.
- It remains constant across all components.
- It fluctuates randomly.
- It is zero.

Which of the following devices can measure voltage? (Select all that apply)

- Voltmeter
- Ammeter
- Ohmmeter
- Multimeter

Which of the following are units of voltage? (Select all that apply)

- Joules per coulomb
- Watts
- Amperes
- Volts

What type of voltage remains constant over time?

- Alternating Voltage
- Direct Voltage
- Inductive Voltage
- Reactive Voltage

What device is used to measure voltage across two points in a circuit?

- Ammeter
- Voltmeter
- Ohmmeter
- Thermometer

What are characteristics of alternating voltage (AC)? (Select all that apply)

- Changes direction periodically
- Remains constant over time
- Used in household power supply
- Measured in amperes

What is the relationship between voltage, current, and resistance according to Ohm's Law?

- $V = I / R$
- $V = I \times R$
- $V = R / I$
- $V = I + R$