

Name _____

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 1) In a 12 volt circuit with 2000 ohms of resistance, how much current will flow? 1) _____
A) .006 A
B) 166 A
C) There will be no current flow
D) 120 A

- 2) It requires _____ volt(s) to push 1 ampere through 1 ohm of resistance. 2) _____
A) 1
B) 2
C) 12
D) None of these

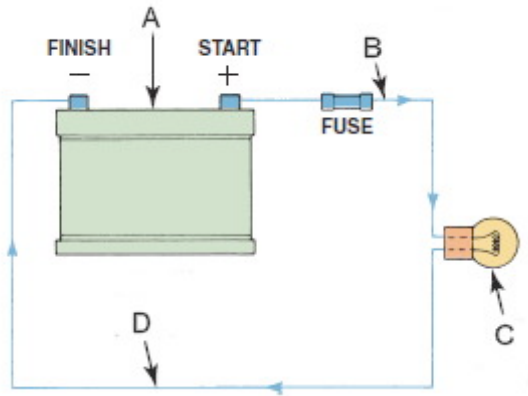
- 3) What is the symbol for voltage used in calculations? 3) _____
A) R
B) E
C) EMF
D) I

- 4) If the voltage increases in a circuit, what happens to the current (amperes) if the resistance stays the same? 4) _____
A) Increases
B) Decreases
C) Remains the same
D) Cannot be determined

- 5) Which circuit is failure is most likely to cause a fuse to blow? 5) _____
A) Open
B) Short-to-voltage
C) Short-to-ground
D) High resistance

6) Which component in this electrical circuit is considered the "load"?

6) _____



- A) A
- B) B
- C) C
- D) D

7) In a circuit with high resistance _____.

7) _____

- A) Electrical loads may still operate but less efficiently
- B) No electrical device will function
- C) Both A and B
- D) Neither A nor B

8) An electrical circuit uses 12 volts and has a current flow of 2 amps. What is the wattage?

8) _____

- A) 24 watts
- B) 6 watts
- C) 12 watts
- D) None of these

9) A sheet metal screw holding a metal body panel has pierced the insulation of a wire and is touching the copper wire. This is known as a _____.

9) _____

- A) Short to ground
- B) Short to power
- C) High resistance
- D) None of these

10) Conductors that become too hot _____.

10) _____

- A) Create excessive resistance
- B) Could be the result of a short to ground before the load
- C) Both A and B
- D) Neither A nor B

Answer Key

Testname: AAEE_2B

1) A

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2) A

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3) B

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4) A

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5) C

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6) C

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7) A

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8) A

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9) A

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10) C

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