

Name _____

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

- 1) If 200 amperes flow from the positive terminal of a battery and operate the starter motor, how many amperes will flow back to the negative terminal of the battery? 1) _____
A) Cannot be determined
B) Zero
C) One-half (about 100 amperes)
D) 200 amperes

- 2) If 12 volts are being applied to a resistance of 3 ohms, _____ amperes will flow. 2) _____
A) 12
B) 3
C) 4
D) 36

- 3) Which circuit failure is most likely to cause a fuse to blow? 3) _____
A) Open
B) Short-to-voltage
C) Short-to-ground
D) High resistance

- 4) A circuit with excessive current flow _____. 4) _____
A) May create excess heat in conductors
B) May cause a fuse to blow
C) Both A and B
D) Neither A nor B

- 5) What is the symbol for voltage used in calculations? 5) _____
A) R
B) E
C) EMF
D) I

- 6) Conductors that become too hot _____. 6) _____
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

- 7) Corrosion on electrical terminals may cause _____. 7) _____
A) Lights to be dimmer than normal
B) Increased current flow in the circuit
C) A blown fuse after driving
D) None of these

- 8) A shorted circuit _____.
- A) Could include an open circuit
 - B) Always causes the fuse to blow
 - C) Both A and B
 - D) Neither A nor B
- 8) _____
- 9) Electrical controls such as switches _____.
- A) Control electrical flow in the circuit
 - B) May be on either the source or ground side of the circuit
 - C) Both A and B
 - D) Neither A nor B
- 9) _____
- 10) How many watts are consumed by a light bulb if 1.2 amperes are measured when 12 volts are applied?
- A) 14.4 watts
 - B) 144 watts
 - C) 10 watts
 - D) 0.10 watt
- 10) _____

Answer Key

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1) D

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2) C

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3) C

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4) C

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5) B

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6) C

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7) A

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8) D

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9) C

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10) A

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