

Name _____

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

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

- 2) The electrical path to ground may be completed by _____. 2) _____
A) the vehicle frame
B) the metal body of the vehicle
C) both A and B
D) neither A nor B

- 3) A sheet metal screw holding a metal body panel has pierced the insulation of a wire and is touching the copper wire. This would cause a _____. 3) _____
A) short to ground
B) short to power
C) high resistance
D) none of these

- 4) High resistance in a circuit _____. 4) _____
A) reduces current flow through the circuit
B) may cause a fuse to blow
C) both A and B
D) neither A nor B

- 5) If two insulated wires were to melt together where the copper conductors touched each other, the type of failure would be called a(n) _____. 5) _____
A) short to voltage
B) short to ground
C) open
D) floating ground

- 6) High resistance in a circuit can cause _____. 6) _____
A) dim lights
B) slow motor operation
C) clicking of relays or solenoids
D) any of the above

- 7) A complete circuit that is continuous from source through loads and back to ground has _____. 7) _____
A) continuity
B) congruency
C) both A and B
D) neither A nor B

8) Excessive corrosion on an electrical connector _____.

8) _____

- A) can cause a fuse to blow
- B) can cause lights to be dim
- C) both A and B
- D) neither A nor B

9) What is the symbol for voltage used in calculations?

9) _____

- A) R
- B) E
- C) EMF
- D) I

10) A shorted circuit _____.

10) _____

- A) could include an open circuit
- B) always causes the fuse to blow
- C) both A and B
- D) neither A nor B

Answer Key

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1) A

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2) C

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3) A

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4) A

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5) A

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6) D

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7) A

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8) B

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9) B

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10) D

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