

Name _____

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

- 1) A 200 amp circuit that is 25 feet long should use wire of which AWG rating? 1) _____
A) 2 ga.
B) 16 ga.
C) 14 ga.
D) 18 ga.

- 2) Wire A has a diameter of 0.032 inches. Wire B has a diameter of 0.102 inches and an AWG rating of 10. Which of these is MOST likely to be the AWG rating of Wire A? 2) _____
A) 20 ga.
B) 14 ga.
C) 12 ga.
D) 5 ga.

- 3) The terms "terminal" and "connector" refer to the same part in a wiring harness. 3) _____
A) True
B) False

- 4) A 20 amp blade-type fuse is normally what color? 4) _____
A) Yellow
B) Blue
C) Red
D) Green

- 5) The higher the AW G number, _____. 5) _____
A) The smaller the wire diameter
B) The larger the wire diameter
C) The thicker the insulation
D) The more strands in the conductor core

- 6) Two technicians are discussing fuse testing. Technician A says that a test light should light on both test points of the fuse if it OK. Technician B says that the fuse is defective if a test light only lights on one side of the fuse. Which technician is correct? 6) _____
A) Technician A
B) Technician B
C) Both technicians
D) Neither technician

- 7) A technician is performing a wire repair on a circuit under the hood of a vehicle. Technician A says to use solder and adhesive-lined heat shrink tubing or a crimp and seal connector. Technician B says to solder and use electrical tape. Which technician is correct? 7) _____
A) Technician A
B) Technician B
C) Both technicians
D) Neither technician

8) Many ground straps are uninsulated and braided because _____. 8) _____
A) They are more flexible to allow movement of the engine without breaking the wire
B) They are less expensive than conventional wire
C) They help dampen radio-frequency interference (RFI)
D) Both A and C are correct

9) Which statements are true about wire, terminals, and connectors? 9) _____
A) A wire is called a lead, and the metal end is a connector
B) A connector is usually a plastic piece where terminals lock in
C) A lead and a terminal are the same thing
D) Both A and C

10) A twisted pair circuit has wire with at least _____ turns per foot. 10) _____
A) 9
B) 12
C) 5
D) 24

Answer Key

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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) A

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6) C

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7) A

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8) D

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9) B

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10) A

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