

Name _____

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

- 1) A meter used to measure amperes is called a(n) _____. 1) _____
A) amp meter
B) ampmeter
C) ammeter
D) coulomb meter

- 2) The internal resistance of any meter is only effective if the meter is set on the _____ scales. 2) _____
A) voltmeter
B) ammeter
C) ohmmeter
D) none of these

- 3) When interpreting meter readings in autoranging mode _____. 3) _____
A) note the prefix indicated by the meter
B) convert the reading prefix to base units if needed
C) both A and B
D) neither A nor B

- 4) A voltmeter should be connected to the circuit being tested _____. 4) _____
A) in series
B) in parallel
C) only when no power is flowing
D) both A and C

- 5) An ohmmeter should be connected to the circuit or component being tested _____. 5) _____
A) with current flowing in the circuit or through the component
B) when connected to the battery of the vehicle to power the meter
C) only when no power is flowing (electrically open circuit)
D) both B and C

- 6) A reading of 432 shows on the face of the meter set to the millivolt scale. The reading means _____ 6) _____
A) 0.432 volt
B) 4.32 volts
C) 43.2 volts
D) 4320 volts

- 7) Which device illuminates a different color when connected to power or ground sides of a circuit? 7) _____
A) Logic probe
B) LED test light
C) Both A and B
D) Neither A nor B

- 8) If a digital meter face shows 0.93 when set to k ohms, the reading means _____. 8) _____
- A) 93 ohms
 - B) 930 ohms
 - C) 9300 ohms
 - D) 93000 ohms
- 9) What could happen if the meter leads were connected to the positive and negative terminals of the battery while the meter and leads were set to read amperes? 9) _____
- A) Could blow an internal fuse or damage the meter
 - B) Would read volts instead of amperes
 - C) Would display OL
 - D) Would display 0.00
- 10) Which of these is safe for use in circuits with electronic components? 10) _____
- A) LED test light
 - B) Continuity tester
 - C) Both A and B
 - D) Neither A nor B

Answer Key

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1) C

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2) A

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3) C

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4) B

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5) C

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6) A

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7) A

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8) B

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9) A

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10) A

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