

Name _____

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

- 1) A fully charged 12-volt battery should indicate _____. 1) _____
 - A) 12.6 volts or higher
 - B) A specific gravity of 1.265 or higher
 - C) 12 volts
 - D) Both A and B

- 2) Technician A says that maintenance-free batteries use a large amount of water. Technician B says that maintenance-free batteries use materials that reduce the amount of water used by the battery. Which technician is correct? 2) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

- 3) What battery rating is tested at 32°F (0°C)? 3) _____
 - A) Cold-cranking amperes (CCA)
 - B) Cranking amperes (CA)
 - C) Reserve capacity
 - D) Battery voltage test

- 4) Which statement is true regarding the internal grids in automotive batteries? 4) _____
 - A) The grid is made mainly of lead.
 - B) The lead used to make the grid is enhanced with other elements for durability.
 - C) Both A and B
 - D) Neither A nor B

- 5) What gas(es) is(are) released from a battery when it is being charged? 5) _____
 - A) Oxygen
 - B) Hydrogen
 - C) Nitrogen and Oxygen
 - D) Hydrogen and Oxygen

- 6) The positive battery plate is _____. 6) _____
 - A) Lead dioxide
 - B) Brown in color
 - C) Sometimes called lead peroxide
 - D) All of the above

- 7) Reserve capacity is the number of minutes a battery can produce 10.5 volts with how many amps? 7) _____
 - A) 25
 - B) 10
 - C) 20
 - D) 30

- 8) Which battery rating is expressed in minutes? 8) _____
A) Cold-cranking amperes (CCA)
B) Cranking amperes (CA)
C) Reserve capacity
D) Battery voltage test
- 9) Each automotive battery cell has an electrical potential of how many volts? 9) _____
A) 2.1 V
B) 1.5 V
C) 12.6 V
D) None of these
- 10) What makes a battery "low maintenance" or "maintenance free"? 10) _____
A) The material that is used to construct the grids
B) The plates are constructed of different metals.
C) The electrolyte is hydrochloric acid solution.
D) The battery plates are smaller, making more room for additional electrolytes.

Answer Key

Testname: AEE6_18A

1) D

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2) B

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3) B

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4) C

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5) D

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6) D

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7) A

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8) C

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9) A

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10) A

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