

Name _____

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

- 1) Some vehicles use an AGM-type battery. This means that the electrolyte is _____ inside the battery. 1) _____
A) a dry powder
B) liquid
C) absorbed into the separator
D) a gel-like form
- 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) Reserve capacity is the number of minutes a battery can produce 10.5 volts with how many amps? 3) _____
A) 25
B) 10
C) 20
D) 30
- 4) Cold cranking amps refers to the current a battery produces while sustaining 7.2 volts at what temperature? 4) _____
A) 0 deg F
B) 32 deg F
C) 72 deg F
D) -10 deg F
- 5) Which battery rating is tested at 0 deg F (-18 C)? 5) _____
A) Cold-cranking amperes (CCA)
B) Cranking amperes (CA)
C) Reserve capacity
D) Battery voltage test
- 6) Many GM vehicles use a group 78 size battery. 6) _____
A) True
B) False

- 7) When a battery becomes completely discharged, both positive and negative plates become _____ and the electrolyte becomes _____. 7) _____
- A) H_2SO_4 ; Pb
 - B) PbSO_4 ; H_2O
 - C) PbO_2 ; H_2SO_4
 - D) PbSO_4 ; H_2SO_4
- 8) Sponge lead is used for which battery components? 8) _____
- A) Negative plates
 - B) Positive plates
 - C) Both A and B
 - D) Neither A nor B
- 9) Which statement is TRUE regarding the internal grids in automotive batteries? 9) _____
- 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
- 10) Each cell of an automobile 12 volt battery can produce about _____ volts. 10) _____
- A) 1.2
 - B) 2.1
 - C) 4.2
 - D) 4