

Name \_\_\_\_\_

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

- 1) A hybrid vehicle 12 volt battery is located under the hood. This will usually be a \_\_\_\_\_ type battery. 1) \_\_\_\_\_
  - A) AGM design
  - B) flooded
  - C) gel-cell
  - D) NiCad
  
- 2) What is TRUE regarding protective gloves worn during HV system service? 2) \_\_\_\_\_
  - A) Rubber gloves should be checked for leaks before each use.
  - B) Leather gloves are worn over the rubber gloves to protect the rubber from damage.
  - C) Both A and B
  - D) Neither A nor B
  
- 3) How long can power be retained in the high voltage system once it has been disabled? 3) \_\_\_\_\_
  - A) 10 to 20 minutes
  - B) Less than 90 seconds
  - C) 9 hours
  - D) None of these
  
- 4) Technician A says that all components in the high voltage battery box are completely insulated from the rest of the vehicle for safety. Technician B says that the high voltage battery box is located under the hood in some vehicles. Which technician is correct? 4) \_\_\_\_\_
  - A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician
  
- 5) All of the following will shut off the high voltage to components and circuits EXCEPT \_\_\_\_\_. 5) \_\_\_\_\_
  - A) opening the drivers door
  - B) turning the ignition off
  - C) disconnecting the 12- volt auxillary battery
  - D) removing the main fuse, relay, or HV plug
  
- 6) The local interlock system on a hybrid vehicle detects when \_\_\_\_\_ have been removed from high-voltage circuits. 6) \_\_\_\_\_
  - A) covers
  - B) screws
  - C) cables
  - D) bolts

- 7) How should NiMH batteries be disposed of? 7) \_\_\_\_\_  
A) In the regular trash  
B) Call an 800 number shown under the hood of the vehicle for information  
C) Submerged in water and then disposed of in the regular trash  
D) Burned at an EPA-certified plant
- 8) Servicing the base brakes on a hybrid vehicle requires the technician to \_\_\_\_\_. 8) \_\_\_\_\_  
A) replace the pads when needed, just as on any other vehicle  
B) disconnect the brake regeneration cables  
C) de-power and disconnect the HV battery  
D) none of these
- 9) What is the recommended location to store a HEV ignition key during service? 9) \_\_\_\_\_  
A) Top of the technician's tool box  
B) Lock box  
C) In the vehicle glove box  
D) Leave the key in the ignition
- 10) Rubber gloves should be worn whenever working on or near the high-voltage circuits or components of a hybrid electric vehicle. Technician says that the rubber gloves should be rated at 1000 volts or higher. Technician says that leather gloves should be worn over the high-voltage rubber gloves. Which technician is correct? 10) \_\_\_\_\_  
A) Technician A only  
B) Technician B only  
C) Both technicians  
D) Neither technician

## Answer Key

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1) B

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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) A

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7) B

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8) A

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9) B

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10) C

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