

Name _____

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

- 1) Which of the following systems will require disabling the high voltage (HV) system during service? 1) _____
 - A) Tire rotation
 - B) Oil change
 - C) Air filter replacement
 - D) Electric AC compressor replacement

- 2) All of the following will shut off the high voltage to components and circuits EXCEPT _____. 2) _____
 - 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

- 3) The local interlock system on a hybrid vehicle detects when _____ have been removed from high-voltage circuits. 3) _____
 - A) covers
 - B) screws
 - C) cables
 - D) bolts

- 4) On a HEV that uses a "START" push button, what precaution should be taken when de-powering the vehicle? 4) _____
 - A) Make sure the key fob is at least 15 feet away from the vehicle.
 - B) Make sure the key is somewhere inside the vehicle.
 - C) Put the key fob in the trunk.
 - D) No special precautions are needed.

- 5) Technician A says that the that HV battery is grounded to the vehicle chassis. Technician B says that the HV battery and cables are completely insulated and isolated from the rest of the vehicle. Which technician is correct? 5) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

- 6) How often should linesman's gloves be inspected by a qualified testing lab? 6) _____
 - A) Every six months
 - B) Daily
 - C) Monthly
 - D) Yearly

- 7) Nickel metal hydride (NiMH) batteries can be damaged if exposed to temperatures higher than about _____. 7) _____
- A) 150 deg F
 - B) 175 deg F
 - C) 200 deg F
 - D) 225 deg F
- 8) The hybrid vehicle control system can detect a high voltage leakage to ground by use of _____. 8) _____
- A) a temperature sensing system
 - B) ground noise sensors
 - C) a ground fault monitor system
 - D) air bag sensors
- 9) The high voltage cables _____. 9) _____
- A) are orange in color
 - B) are energized during events where the ignition switch is in the "on" position
 - C) both A and B
 - D) neither A nor B
- 10) Servicing the base brakes on a hybrid vehicle requires the technician to _____. 10) _____
- 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