

Name _____

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

- 1) Technician A says that when a hybrid electric vehicle must remain in the shop for over a month, the battery should be charged by running the vehicle if possible. Technician B says that if the battery unit must be removed, it should be handled with PPE and always tested for voltage and treated with care. Which technician is correct? 1) _____
 - A) Technician A
 - B) Technician B
 - C) Both Technicians
 - D) Neither Technician

- 2) Which statement is FALSE about high voltage wiring? 2) _____
 - A) Connects the battery pack to the electric controller
 - B) Connects the controller to the motor/ generator
 - C) Is electrically grounded to the frame (body) of the vehicle
 - D) Is controlled by a relay that opens if the ignition is off

- 3) On a HEV that uses a "START" push button, what precaution should be taken when de-powering the vehicle? 3) _____
 - 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

- 4) What routine service procedure could result in lower fuel economy, which the owner may notice? 4) _____
 - A) Using the wrong viscosity engine oil
 - B) Replacing tires
 - C) Replacing the air filter
 - D) Either A or B

- 5) Technician A says that the high voltage cables may be repaired if damaged while lifting on a vehicle hoist. Technician B says that a paint oven does not get hot enough to damage high voltage cables or other hybrid components. Which technician is correct? 5) _____
 - A) Technician A
 - B) Technician B
 - 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) 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? 7) _____
- A) Technician A
 - B) Technician B
 - C) Both Technicians
 - D) Neither Technician
- 8) A hybrid vehicle 12 volt battery is located under the hood. This will usually be a _____ type battery. 8) _____
- A) AGM design
 - B) Flooded
 - C) Gel-cell
 - D) NiCad
- 9) How should NiMH batteries be disposed of? 9) _____
- 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
- 10) 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? 10) _____
- A) Technician A
 - B) Technician B
 - C) Both Technicians
 - D) Neither Technician

Answer Key

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1) C

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2) C

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3) A

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4) D

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5) D

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6) A

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7) C

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8) B

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9) B

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10) B

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