

Name _____

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

- 1) Research shows that owner's range anxiety fades after about _____ of driving. 1) _____
 - A) A year
 - B) Two weeks
 - C) A few days
 - D) Nine months

- 2) An electric vehicle has a battery capacity of 20 kWh. What is its estimated range? 2) _____
 - A) 20 miles
 - B) 8 miles
 - C) 12 miles
 - D) 60 miles

- 3) Why must the charger cord be unreeled and laid out in a straight line when charging an EV or a PHEV? 3) _____
 - A) To prevent heat buildup in the cable
 - B) To prevent electromagnetic interference
 - C) To allow the current to flow faster to the vehicle
 - D) All of the above

- 4) Why do cold temperatures reduce the range of an electric vehicle? 4) _____
 - A) Cold temperatures reduce battery efficiency
 - B) Additional electrical power from the batteries is needed to heat the batteries
 - C) Passenger compartment heating is a concern for an electric vehicle because it requires the use of resistance units or other technology that reduces the range of the vehicle
 - D) All of the above

- 5) The standard charging station plug is usually what SAE standard? 5) _____
 - A) J1777
 - B) J1772
 - C) J1930
 - D) J1427

- 6) Electric vehicles each use _____ for the charge cable connection. 6) _____
 - A) A unique connector plug
 - B) An adapter, depending on the voltage
 - C) A standard SAE plug-in connector
 - D) A 90 volt transformer

- 7) How can a plug-in electric hybrid vehicle be identified? 7) _____
 - A) It has no spare tire
 - B) It has two fuel doors, one for charging and one for gas
 - C) By the type of headlight bulbs
 - D) There will be a self-retracting charge cable

8) Two technicians are discussing a plug-in hybrid vehicle. Technician A says that the plug-in version operates the same as the normal standard hybrid version. Technician B says that the plug-in hybrid uses a smaller, lighter battery pack. Which technician is correct? 8) _____

- A) Technician A only
- B) Technician B only
- C) Both technicians
- D) Neither technician

9) Which of these EV charging stations is the most expensive to install? 9) _____

- A) Level 3
- B) Level 1
- C) Level 2
- D) Home Level 1

10) Which type of vehicle is considered to be a ZEV? 10) _____

- A) An electric vehicle (EV)
- B) A plug-in electric vehicle (PHEV)
- C) A hybrid electric vehicle (HEV)
- D) All of the above

Answer Key

Testname: HYBRID4_17A

1) B

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2) D

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3) A

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4) D

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5) B

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6) C

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7) B

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8) A

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9) A

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10) A

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