

Electric and Hybrid Electric Vehicles, 1st Edition

Quiz 13A

NAME _____

1. SAE J1772 plugs are used for _____. 1. _____
 - A) level 1 charging
 - B) level 2 charging
 - C) level 3 charging
 - D) Both a and b

2. Two technicians are discussing EV charging. Technician A says that the HV battery charger is on-board the vehicle. Technician B says that the HV charger is attached to the garage wall. Which technician is correct? 2. _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B

3. When charging an EV, the charging cord should be _____. 3. _____
 - A) coiled and the excess hung on the wall
 - B) coiled under the vehicle
 - C) uncoiled and left hanging between the wall and the vehicle
 - D) uncoiled and placed out of the way

4. All EVSE should have a _____ safety test mark. 4. _____
 - A) UL
 - B) ETL
 - C) NEC
 - D) Either a or b

5. If charging an EV with solar panels, _____ panels will be needed. 5. _____
 - A) less than 3
 - B) 7 to 9
 - C) 15
 - D) None of these are correct.

6. Wireless power transfer (WPT) uses _____ between the transmitting pad on the ground and a receiving pad attached to the underside of the vehicle. 6. _____
 - A) Bluetooth
 - B) CAN buss
 - C) internet
 - D) electromagnetic induction

7. Which of these is NOT a function of the electric vehicle supply equipment (EVSE)? 7. _____
 - A) Vehicle communications
 - B) Reduce risk of shock
 - C) Interior lighting
 - D) Verify proper connection

8. The vehicle charging station should be installed by _____. 8. _____
- A) licensed contractor
 - B) dealer technician
 - C) homeowner
 - D) Either a or b
9. Most EVs and PHEVs use a standard plug that meets the _____ standard. 9. _____
- A) UL 886
 - B) SAE 1772
 - C) GM 1543
 - D) NEC
10. A "fishy smell" while charging indicates _____. 10. _____
- A) overloaded circuits
 - B) loose wires
 - C) frayed cords
 - D) Any of the above

Answer Key

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1. D
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2. A
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3. D
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4. D
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5. B
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6. D
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