

Electric and Hybrid Electric Vehicles, 1st Edition

Quiz 12B

NAME _____

1. Level 3 chargers use what type of connector? 1. _____
 - A) SAE J1772
 - B) SAE Combo Charging System (CCS)
 - C) NEMA 14-50
 - D) NEMA 6-50

2. Charging at a 7.2 kWh rate is achieved using a _____. 2. _____
 - A) level 1 charger
 - B) level 2 charger
 - C) level 3 charger
 - D) None of the above

3. Level 3 charging _____. 3. _____
 - A) charges the high-voltage battery using DC
 - B) uses a 110/120-volt outlet
 - C) uses the J1772 connector
 - D) Both a and c

4. Public Charging Stations often charge _____. 4. _____
 - A) by the hour of usage
 - B) by the kWh
 - C) by the level of voltage needed
 - D) Either a or b

5. Why does warm weather decrease the range of an electric vehicle? 5. _____
 - A) Batteries do not function well at high temperatures
 - B) Batteries have to supply the power needed to keep the interior of the vehicle cool
 - C) Batteries must supply power to help keep the batteries themselves cool
 - D) All of the above

6. Level 2 charging _____. 6. _____
 - A) uses a J1772 connector
 - B) uses a 110/120 volt outlet
 - C) can supply 1.4 to 1.9 kW
 - D) does not need EVSE

7. What identifies a plug-in version of a hybrid electric vehicle? 7. _____
 - A) Different badges
 - B) An access door for the charging cable in addition to the normal ICE fueling door
 - C) Different instrument panel
 - D) Any of the above

8. Destination charging means _____. 8. _____
- A) charging at home
 - B) charging at the workplace
 - C) charging at a hotel/motel
 - D) Any of the above
9. Research shows that owner's range anxiety fades after about _____ of driving. 9. _____
- A) A year
 - B) Two weeks
 - C) A few days
 - D) Nine months
10. Why must the charger cord be unreeled and laid out in a straight line when charging an EV or a PHEV? 10. _____
- 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

Answer Key

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