

Automotive Technology 7th Edition
Chapter 90: EV and PHEV Charging
Matching Quiz

Name: _____

Date: _____

Matching: Choose the item in column 2 that best matches each item in column 1.

- | | | |
|---|---|-----------|
| 1. Plug-in hybrid electric vehicle (PHEV) | A. The fear of running out of battery power before reaching the destination. | 1. _____ |
| 2. Kilowatt-hour (kWh) | B. Uses direct current (DC) to charge a battery to 80% in under 30 minutes. | 2. _____ |
| 3. Zero-emission vehicles (ZEVs) | C. A DCFC connector standard used by BMW, Ford, GM, and other vehicle makers. | 3. _____ |
| 4. Range anxiety | D. An electric vehicle that uses only battery power for propulsion. | 4. _____ |
| 5. Level 1 charging | E. The expert-recommended practice of keeping an EV plugged in at all times when at home. | 5. _____ |
| 6. Level 2 charging | F. Uses a standard 110/120-volt outlet and adds 2-5 miles of range per hour. | 6. _____ |
| 7. Level 3 charging (DCFC) | G. A vehicle that can be plugged in to charge, allowing it to run on electric power alone for an extended period. | 7. _____ |
| 8. Always Be Charging (ABC) | H. Charging stations provided by hotels and motels for travelers on long trips. | 8. _____ |
| 9. Destination charging | I. The unit of measurement for battery capacity. | 9. _____ |
| 10. SAE Combo Charging System (CCS) | J. Uses 208/240 volts and can add about 25 miles of range per hour | 10. _____ |

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Answer Key

Answer Key:

1. G
2. I
3. D
4. A
5. F
6. J
7. B
8. E
9. H
10. C