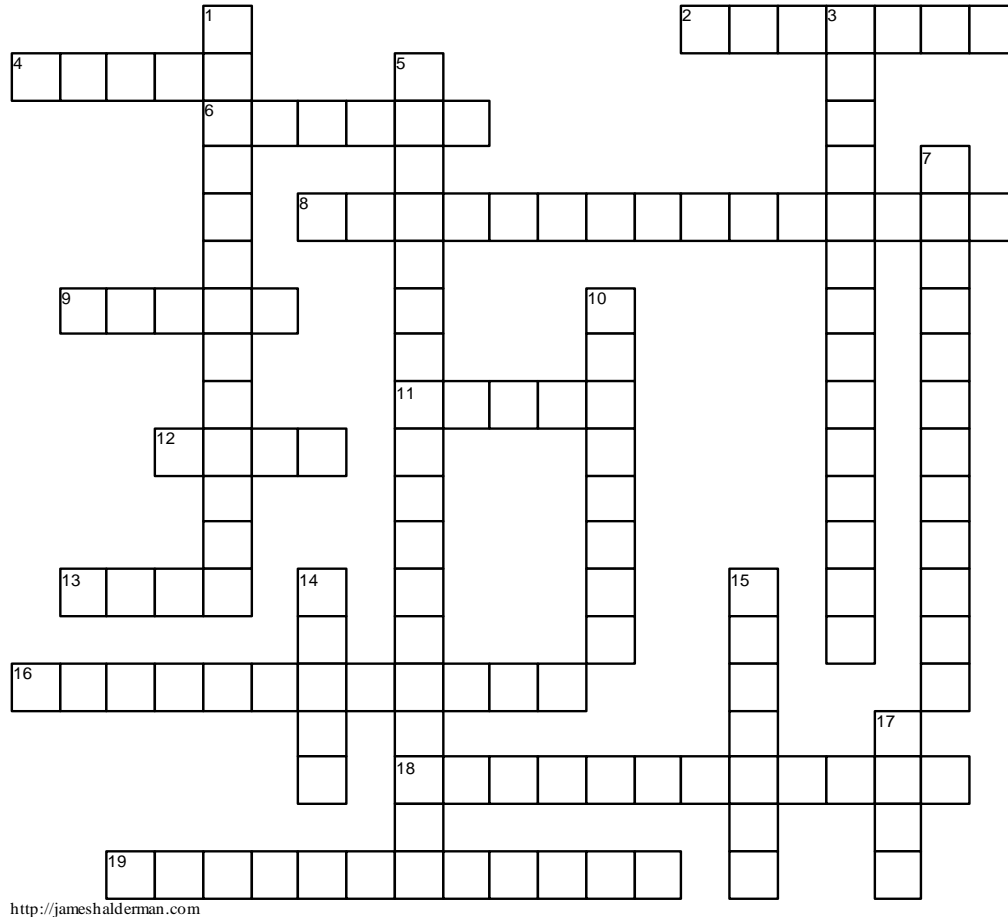


Electric And Plug-In Hybrid Electric Vehicles

Chapter 93



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ACROSS

- 2 _____ is a Japanese trade name of a quick charging method for level 3 charging using DC electricity at a high rate.
- 4 How far an EV can travel on a full battery charge is called its _____.
- 6 batteries work best when they are kept at a temperature range that is also the most comfortable to _____.
- 8 An _____ uses a high-voltage battery pack to supply electrical energy to an electric motor(s) to propel the vehicle under all driving conditions.
- 9 Multiply the kWh by _____ to get a good idea as to the range of the vehicle.
- 11 _____ 2 chargers use 220 to 240 volts to charge the same vehicle

in about 4 hours.

- 12 Batteries do not function well at _____ temperatures, and need some type of cooling for maximum battery performance.
- 13 The Chevrolet _____ extended range vehicle charges in 10 hours or more.
- 16 Vehicles that use battery power alone to propel the vehicle are called _____-_____ vehicles.
- 18 One advantage to Level 1 chargers is that there is little, if any, _____ cost.
- 19 _____ is a feeling many drivers experience because they fear running out of electric battery energy before reaching their destination.

DOWN

- 1 _____ is a factor in the

range of an EV.

- 3 Level 3 chargers are often called _____ (DCQC).
- 5 In PHEV's, after the battery pack has been discharged the _____ engine is used keep the battery charged enough to propel the vehicle.
- 7 A _____ electric vehicle is a vehicle that is designed to be plugged into an electrical outlet at night to charge the batteries.
- 10 Battery capacity is measured in _____-hours.
- 14 A plug-in version of the Toyota _____ has a 4.4 kWh battery.
- 15 the _____ (driving in hilly or mountainous areas requires more energy from the battery).
- 17 _____ temperatures reduce battery efficiency.