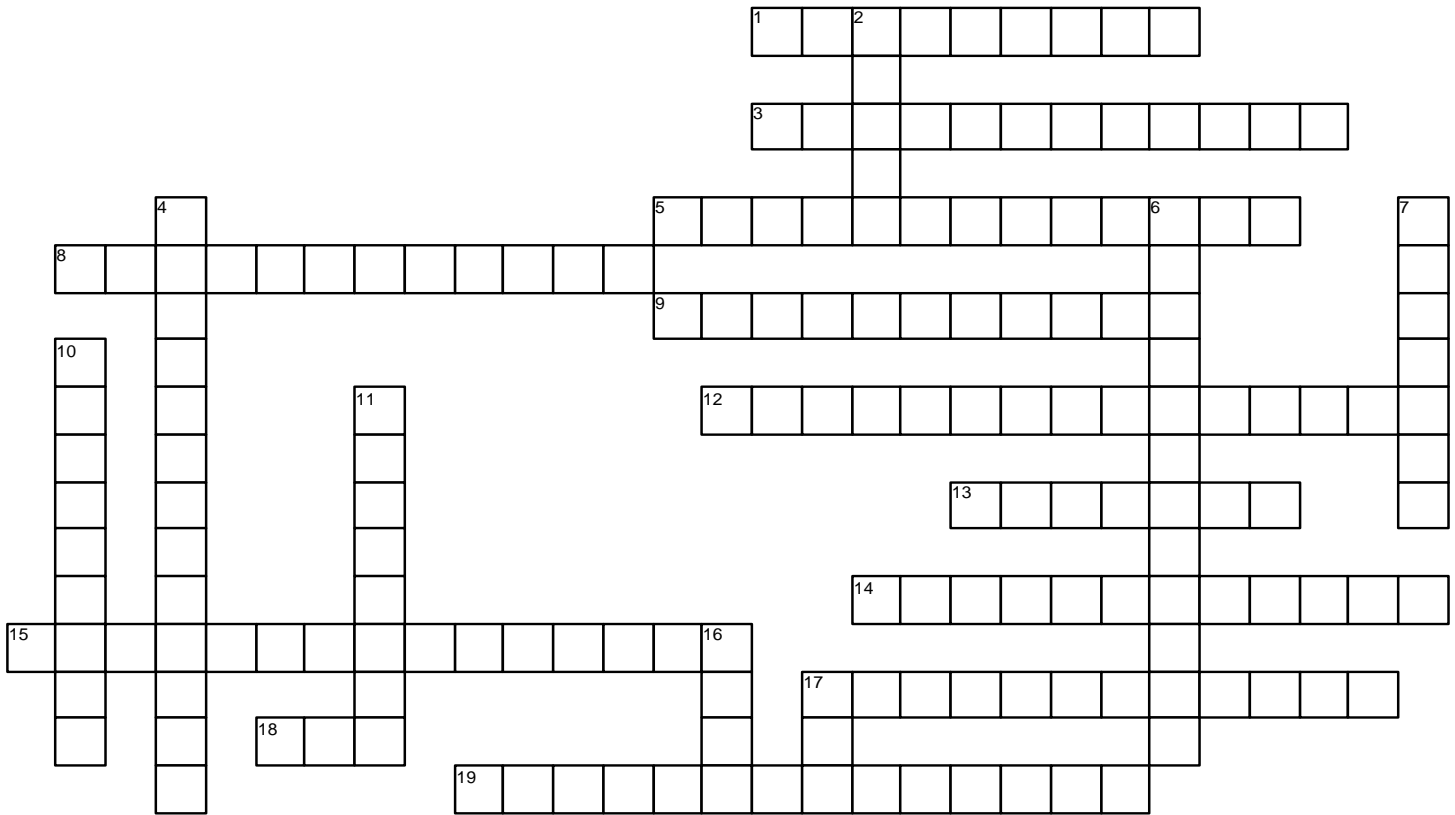


EV and PHEV Charging

Chapter 12



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ACROSS

- 1 _____ charging (WPC) is very popular because the vehicle owner can charge their vehicle while at work and usually for free.
- 3 Level 2 charging adds about 25 miles of _____ (RPH), labeled as miles per hour (MPH) on the dash display of a Nissan Leaf.
- 5 The _____ (SOC) is the percentage of the available capacity that can be stored in a battery.
- 8 Level 2 charging adds about 25 miles of range per hour (RPH), labeled as _____ (MPH) on the dash display of a Nissan Leaf.
- 9 Hotels and motels often provide charging stations known as _____ charging.
- 12 An _____ (EV), also called a battery electric vehicle (BEV), uses a high-voltage battery pack to supply electrical energy to an electric motor(s) to propel the vehicle under all driving conditions.
- 13 The size or capacity of the battery pack used determines how far that

the vehicle can travel without using the ICE, commonly called the __ _____.

- 14 Electric vehicles that use battery power alone to propel the vehicle are called _____ vehicles.
- 15 The Chinese national standard. BYD and other Chinese companies use this standard connector, as well as Mahindra and Tesla electric vehicles.
- 17 Battery capacity is measured in _____.
- 18 Combo Charging System
- 19 _____ Stations (PCS) are available at many locations and most are commercial Level 2 charging stations.

DOWN

- 2 How far an electric vehicle can travel on a full battery charge is called _____.
- 4 A _____ electric vehicle (PHEV) is a vehicle that is designed to be plugged into an electrical outlet at home, at work, or when traveling to charge the batteries.

- 6 is a feeling that many drivers experience when driving an electric vehicle because they fear running out of electric battery energy before they reach their destination.
- 7 An electric vehicle (EV), also called a _____ electric vehicle (BEV), uses a high-voltage battery pack to supply electrical energy to an electric motor(s) to propel the vehicle under all driving conditions.
- 10 For almost all EV owners, choosing a _____ (TOU) electric rate plan is needed to achieve the largest savings for charging.
- 11 Because these systems are working when the vehicle is stopped and not operating, many experts recommend that the vehicle is plugged in all the time when it is at home. This is what is often referred to as _____ Charging (ABC).
- 16 Abbreviation for DC Fast Charging.
- 17 The EPA also expresses an EV's energy consumption in terms of the number of kilowatts per hour needed to run the vehicle for 100 miles, shortened to ___/100 mi.