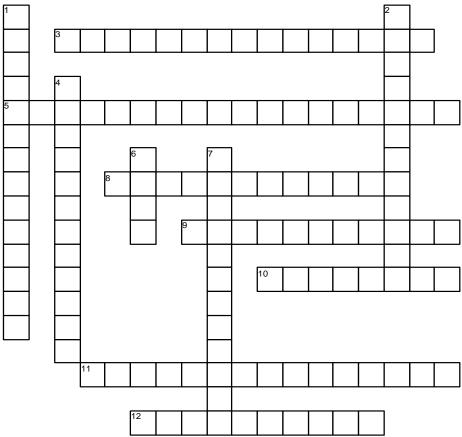
Intro to Electric and Hybrid Electric Vehicles Chapter 2



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ACROSS

3	An (EV) , also referred to as an electri
	drive vehicle, uses one or more electric motors to propel the
	vehicle.
5	The i engine (ICE) used in a hybrid
	vehicle can be either gasoline or diesel, although only
	gasoline-powered engines are currently used in hybrid
	vehicles.
8	is the fear that many potential owners of EV
	have that the vehicle will have insufficient range to reach
	their destination, and therefore could get stuck with a dead
	vehicle on the road.
9	A will incorporate idle stop, but is not capable
	of propelling the vehicle without starting the ICE.
10	Regenerative braking systems tend to slow the vehicle more
	aggressively than a conventional vehicle. Often the system
	can be set so that the brake pedal is not used during norma
	driving except to keep the vehicle stationary when stopped.
	This feature is usually called
11	Early EVs, also called vehicles
	(BEVs), were first used in the late 1800s, and it was not unti
	the early 1900s that EVs were practically possible using
	rechargeable lead-acid batteries.
12	
	braking, but is not capable of using the electric motor to
	propel the vehicle on its own without help from the ICE.

DOWN

1	Avehicle (HEV) uses both an internal
	combustion engine and an electric motor to propel the
	vehicle.
2	A electric vehicle (PHEV) is an HEV with a
	larger capacity battery that can be recharged by the ICE or
	by plugging it in to an AC power source or charging station.
4	A, also called a full hybrid, uses idle stop,
	regenerative braking, and is able to propel the vehicle using
	the electric motor(s) alone.
6	Abbreviation for Phone as a key.
7	A uses 144- to 158-volt batteries that
	provide for engine stop/start, regenerative braking, and
	power assist.

