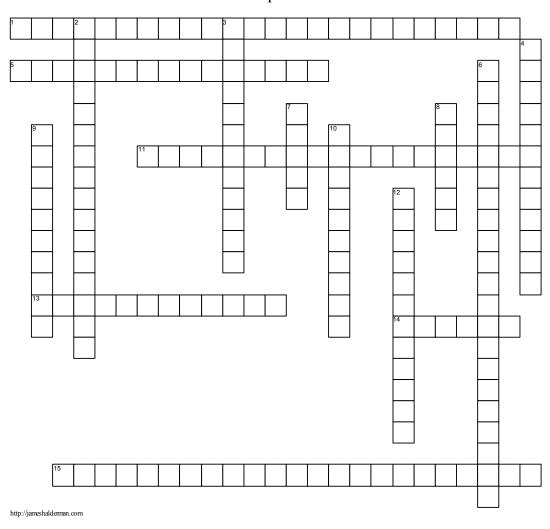
Hybrid Electric Vehicles

Chapter 43



| ACROSS |
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- vehicle to use a smaller, more fuelefficient engine without giving up vehicle performance.
- 13 The _____ turns off the engine when the vehicle is stopped.

| | Different vehicle manufacturers use various technologies. Early electric vehicles were also called |
|----|--|
| | Larry creatile verifices were and carred |
| | |
| DO | WN |
| 2 | Early used lead- |
| | acid batteries, an electric motor, and a |
| | mechanical controller. |
| 3 | When the electric motor propels the |
| | vehicle at lower speeds, this mode is |

4 Another name for a full hybrid is a

both an internal combustion engine

and an electric motor to propel the

often called

vehide.

7 The vehicle is shut off when the _ indicator is off. 8 The presence of cables under the hood would identify the vehicle as usesidle stop regenerative braking, and is able to propel the vehicle using the electric motor alone. will incorporate idle **10** A stop and regenerative braking but is not capable of using the electric motor to propel the vehicle on its own without help from the internal combustion engine. **12** A uses 144- to 158volt batteries that provide for engine stop/start, regenerative braking, and power assist.