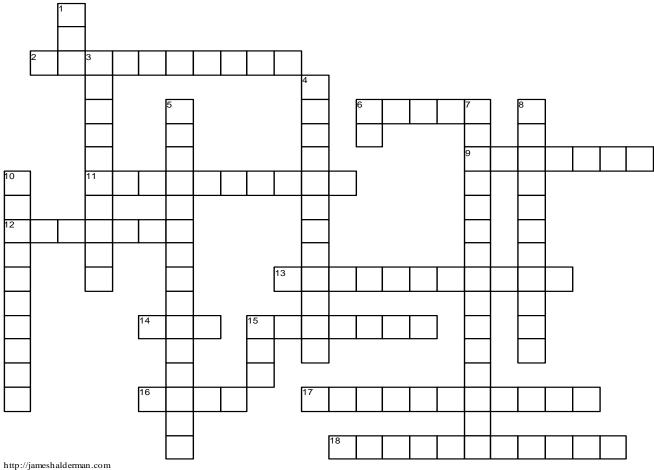
Automotive 12-Volt Batteries

Chapter 47



ACROSS

2	is an older pattery rating system that
	measures how many amperes of current the battery
	can produce over time.
6	are constructed of positive and negative
	plates with insulating separators between each plate
9	Another name for a cell is an
11	is a pure porous lead.
12	The capacity rating for batteries is the
	number of minutes that the battery can produce 25
	amperes and still have a battery voltage of 1.75 volts
	per cell.
13	Conventional batteries use a liquid
14	Battery sizes are standardized by the
15	is the release of hydrogen and oxygen from
	the battery that occurs during charging and results i
	water usage.
16	Each positive and negative plate in a battery is
	constructed on framework, or, made primarily
	of lead.
17	Both types of valve-regulated, lead-acid batteries are
	also calledbattery design.
1 Q	is almost fully discharging a hattery

DOWN

1	The acid used in an battery is totally absorbed
	into the separator, making the battery leakproof and
	spillproof.
3	The negative plates are pasted to the grid with a
	pure
4	Another name for a maintenance-free battery is a
	battery.
5	Abattery uses little water during
	normal service because of the alloy material used to
	construct the battery plate grids.
6	The designation refers to the number of amperes
	that can be supplied by a batter at 32°F (0°C).
7	The amount of sulfate in the electrolyte is determined
	by the electrolyte's, which is the
	ratio of the weight of a given volume of a liquid to the
	weight of an equal volume of water.
8	is the term used to describe the acid
	solution in a battery.
10	Each cell is separated from the other cells by
	, which are made of the same material
	as that used for the outside case of the battery.
15	batteries are usually not used in automotive
	applications but instead are used in electric
	wheelchairs and scooters



and then completely recharging it.